



Integration
Passion
Innovation
2012 *Innovation*

Product Condensed Catalog



Embedded Boards & SoMs
Industrial & Embedded Computers
Network Appliances
Industrial Connectivity
Digital Signage
Touch Panel Computers

www.axiomtek.com



About Axiomtek

Innovations for the eWorld

Founded in 1990, Axiomtek is one of the major design and manufacturing companies in the Industrial PC field. Since its establishment, Axiomtek has successfully gained worldwide recognition for its innovative designs and guarantee of total customer satisfaction. Axiomtek's continual drive to improve efficiency, flexibility, and to assist customers, has helped set high standards. As a leading industrial computer supplier, Axiomtek is devoted to producing state-of-the-art solutions that aid users in achieving their goals.

Vision

Axiomtek develops Embedded Board & Technology, Industrial & Embedded Computers, Network Appliances, Industrial Connectivity, and Touch Panel Computers to help you deploy eWorld solutions. Our vertical market knowledge helps simplify the technology needed to support important open standards and enable OEM/ODM innovations. As an Intel®, Microsoft® and AMD partner, Axiomtek has ample awareness of market trends, and has the power to enable service provider applications.

Axiomtek strives to maintain integrity in our product quality, customer satisfaction, executed performance and having a closer relationship with customers and partners. Axiomtek is on track to become the most attractive and profitable global industrial computer company. Axiomtek's employees are always willing to contribute more and will continue to help our customers, shareholders, and communities.

MindSET Inside

- Service-oriented
- Effectiveness
- Teamwork

Company Culture

- Integrity is the Soul
- Innovation is the Mind
- Passion is the Heart

Table of Contents

Chapter 1

Embedded Boards & SoMs

- System on Modules
- EPIC Boards
- 3.5" Capa Boards
- Nano-ITX SBCs
- Pico-ITX SBCs
- PC/104 CPU Modules
- Mini ITX Motherboards
- Industrial Motherboards
- PICMG 1.3 Full-size SBCs
- PICMG 1.3 Half-size SBCs
- PICMG 1.0 Full-size SBCs
- PICMG 1.0 Half-size SBCs
- MiniPCI Modules
- ECX Stacking Modules
- Riser Cards
- LVDS Converters
- » See pages 5 to 33

Chapter 2

Industrial & Embedded Computers

- Embedded Systems
- Embedded Systems for Transportation
- DIN-rail Embedded Systems
- Industrial Barebone Systems
- Embedded MicroBoxes
- Industrial Chassis
- Backplanes
- Power Supplies
- Peripherals & Accessories
- » See pages 34 to 63

Chapter 3

Network Appliances

- SOHO Network Appliances
- SMB Network Appliances
- » See pages 64 to 69

Chapter 4

Industrial Connectivity

- Hardened Unmanaged Ethernet Switches
- Hardened Managed Ethernet Switches
- Media Converters
- Ethernet Extenders
- Serial Device Servers
- CAN Converters
- » See pages 70 to 81

Chapter 5

Digital Signage & Touch Panel Computers

- Fanless Touch Panel Computers
- Infotainment Touch Panel Computers
- Industrial Touch Panel Computers
- Industrial Touch Monitors
- Heavy-duty Fanless Touch Panel Computers
- Digital Signage Solutions
- Medical Grade Panel Computers
- Medical Grade Monitors
- Open Frame Panel Computers
- Accessories
- » See pages 82 to 102



Product Lines

Embedded Boards & SoMs

From System on Modules, embedded single board computers, industrial motherboards to slot CPU cards, Axiomtek provides a comprehensive range of board solutions with full computing architectures: Intel® Core™ i up to Core™ Quad/ Core™2 Extreme/ Core™2 Duo/ Core™ Duo/ Atom™/ Pentium® M/ Pentium® D/ Pentium® 4/ Celeron® M/ Celeron® D and AMD, VIA processors. Axiomtek can satisfy your various embedded application needs.

Industrial & Embedded Computers

Axiomtek provides an extensive line of industrial & embedded computers, including embedded eBOX & tBox systems, MicroBoxes, embedded field controllers, industrial barebone systems, industrial chassis, industrial workstations, backplanes and many other peripherals/accessories. The configured and fanless embedded eBOX series delivers high reliability, extended temperature and noiseless operation for harsh environments like industrial automation, transportation, gaming, digital signage, POS, kiosk and vehicle applications. tBOX series is especially designed for transportation applications such as vehicle, railway or any station use. Its stability and reliability earned an ISO-7637 rating and E-Mark certification for vehicle applications, and EN50155 & EN50121 certifications for railway applications. Our embedded MicroBox's are designed for different form factor embedded boards, intelligent computing and communication applications. The rBOX and ICO series are the fanless embedded field controller solutions, specifically designed for intelligent computing and communication applications like power plant automation, intelligent transportation systems and more.

To satisfy the demand for industrial applications, the industrial barebone system is designed for ATX industrial motherboard system markets, offering high level of reliability and performance. In addition, a comprehensive range of industrial-grade rackmount chassis and compact ShoeBox chassis can hold various ISA/PCI bus backplanes, power supplies, integrated FDD, HDD, CD-ROM drive bays and cooling systems. The industrial workstation features multiple PCIe, PCI/ISA expansion slots and 19" rack dimension for process control and machinery applications. A wide range of PICMG 1.3/1.0 backplanes provide not only the highest compatibility with its power supply unit but also provide the best extension slot selection.

Network Appliances

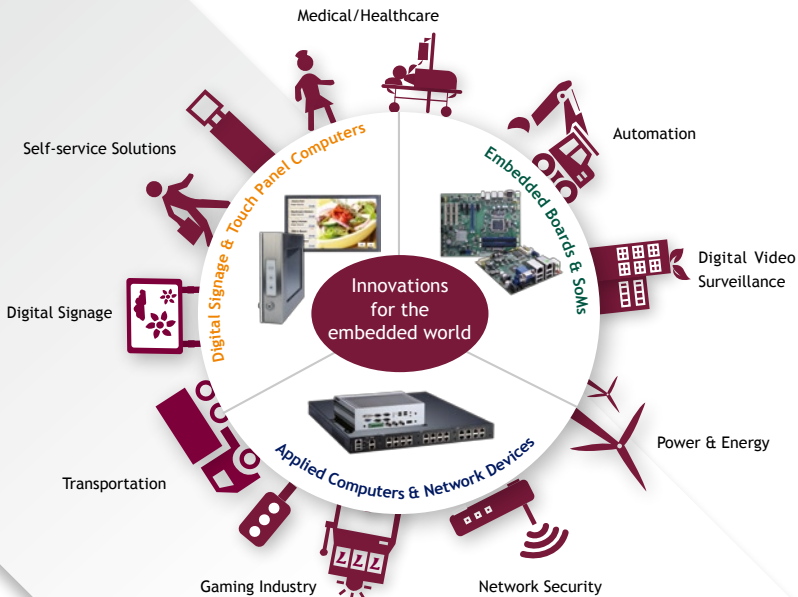
Axiomtek's goal is to develop high quality and cost-effective server appliance hardware platforms that meet the performance requirements of tailor-made packages for customers. Our stable and reliable network appliance platforms have a lower total cost of ownership (TCO) and can be widely applied in VPN gateways, load balancing, network bandwidth management, SSL, firewalls, IDS/IPS, and much more. Axiomtek takes care all your hardware needs to optimize customers' network business.

Industrial Connectivity

Axiomtek's industrial connectivity solution, offers a most complete selection and cost-effective way to manage network efficiency and connect field devices. Our solution includes an Ethernet extender, Ethernet switch, media converter and serial device server, which fulfilling the industrial Ethernet demands for rugged environments and infrastructure deployments.

Digital Signage & Touch Panel Computers

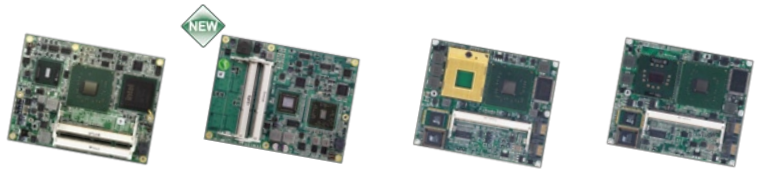
Axiomtek has incorporated valuable features and latest technology into its touch panel computers to cater toward today's competitive market. Our digital signage platforms (DSA/DSH/OFP series) are equipped with various full HD LCD sizes ranging from 24" - 46" while DSB series comes in as a standalone digital signage media player solution. To enable faster and easy upgrading/maintenance, OPS series is engineered to be an Intel® Open Pluggable Specification (OPS) digital signage player solution. The GOT-5000 series is equipped with an ultra slim ID, super light and fanless features for small-size infotainment applications. For large-size infotainment applications, the IFO2000 series supports unique IPX1 water-proof housing for visitor control, hotel check-in/out and more. To resist severe conditions, the GOT-800 adopts a sunlight readable LCD and IP66-rated water/dust-proof design ideal for outdoor use and dusty or wet spaces. The GOT-600 series is a reliable industrial-grade solution for human machine interface applications. The GOT-3000, PANEL1000 and PANEL6000 series come with robust functions for industrial automation fields. For medical/healthcare, the MPC/MMT series are slim medical grade computers/monitors featuring low-noise operation, power saving, reliability and IPX1 water-proof design. The FDK series is the open frame panel computers with outstanding configuration flexibility for indoor kiosk, HMI automation and more!



System on Modules



Features\Models		CEM860	CEM850	CEM830	CEM820
Form Factor		COM Express™ type 6	COM Express™ type 2	COM Express™ type 2	COM Express™ type 2
CPU Level		Intel® Quad/Dual Core™ i7/ i5	Intel® Core™2 Duo	Intel® Core™2 Duo	Intel® Pentium® M
CPU Socket		Onboard	Socket P	Socket M	Socket 478
CPU FSB Frequency		N/A	667/800/1066 MHz	533/667 MHz	400/533 MHz
Core Logic Chipset		Intel® QM67	Intel® GM45 + ICH9M	Intel® 945GME + ICH7M	Intel® 915GME/910GME + ICH6M
Memory Type		DDR3-1066/1333	DDR3-800/1066	DDR2-533/667	DDR2-400/533
Max. DRAM Capacity		16 GB	8 GB	4 GB	2 GB
Cache RAM Capacity		L2 in CPU	L2 in CPU	L2 in CPU	L2 in CPU
BIOS		AMI	AMI	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD		N/A	N/A	N/A	4-IN & 4-OUT
Onboard GPIO		4-IN & 4-OUT	4-IN & 4-OUT	4-IN & 4-OUT	N/A
I/O	IDE	N/A	1 x PATA-100	1 x PATA-100	1 x PATA-100
	SATA	2 x SATA-600/2 x SATA-300	3 x SATA-300	2 x SATA-150	2 x SATA-150
	FDD	N/A	N/A	N/A	N/A
	LPT	N/A	N/A	N/A	N/A
	Serial	COM 1	N/A	N/A	N/A
		COM 2	N/A	N/A	N/A
		COM 3	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A
	USB	8 x USB 2.0	8 x USB 2.0	8 x USB 2.0	8 x USB 2.0
		2 x USB 3.0 (optional)			
	IrDA	N/A	N/A	N/A	N/A
Display		1 x VGA 1 x LVDS 3 x DDI	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS
Onboard Ethernet		1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
Onboard Audio		Codec on baseboard	Codec on baseboard	Codec on baseboard	Codec on baseboard
Hardware Monitoring		N/A	N/A	N/A	N/A
SMBus		Yes	Yes	Yes	Yes
Expansion Interface		PCIe with 22 lanes	PCIe with 21 lanes 4 x PCI	PCIe with 19 lanes 4 x PCI	PCIe with 19 lanes 4 x PCI
Power Management		ACPI	ACPI	ACPI	ACPI
Battery		N/A	N/A	N/A	N/A
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE	CE
Wide Temperature		N/A	N/A	N/A	N/A
Dimensions		125 x 95 mm	125 x 95 mm	125 x 95 mm	125 x 95 mm



Features\Models	CEM831	CEM100	ETM830	ETM820
Form Factor	COM Express™ type 2	COM Express™ type 2	ETX	ETX
CPU Level	Intel® Atom™ N270	AMD G-Series APU	Intel® Core™2 Duo	Intel® Pentium® M
CPU Socket	Onboard	Onboard	Socket M	Socket 478
CPU FSB Frequency	533 MHz	N/A	533/667 MHz	400/533 MHz
Core Logic Chipset	Intel® 945GME + ICH7M	AMD A55E FCH	Intel® 945GME + ICH7M	Intel® 915GME/910GME + ICH6M
Memory Type	DDR2-533/667	DDR3-1066	DDR2-533/667	DDR2-400/533
Max. DRAM Capacity	4 GB	8 GB	2 GB	1 GB
Cache RAM Capacity	512KB	Integrated in CPU	L2 in CPU	L2 in CPU
BIOS	AMI	AMI	Phoenix-Award	Phoenix-Award
Watchdog Timer	255 levels, 1-255 sec.	255 levels, 0-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD	N/A	N/A	N/A	N/A
Onboard GPIO	4-IN & 4-OUT	N/A	N/A	N/A
I/O	IDE	1 x PATA-100	1 x PATA-100	1 x PATA-100
	SATA	2 x SATA-150	4 x SATA-600	2 x SATA-150
	FDD	N/A	N/A	1 x FDD (optional)
	LPT	N/A	1 x LPT	1 x LPT
	Serial	COM 1	N/A	UART's
		COM 2	N/A	UART's
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB	8 x USB 2.0	8 x USB 2.0	4 x USB 2.0
	IrDA	N/A	N/A	Yes
Display	1 x VGA 1 x LVDS	1 x VGA	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS
Onboard Ethernet	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100Mbps	1 x 10/100Mbps
Onboard Audio	Codec on baseboard	HD Codec	AC'97 Codec	AC'97 Codec
Hardware Monitoring	N/A	Yes	Yes	Yes
SMBus	Yes	Yes	N/A	N/A
Expansion Interface	PCIe with 19 lanes 4 x PCI	PCI & PCIe	4 x PCI ISA	4 x PCI ISA
Power Management	ACPI	ACPI	ACPI	ACPI
Battery	N/A	Lithium	N/A	N/A
Operating Temperature	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance	CE	CE	CE	CE
Wide Temperature	N/A	By request	N/A	N/A
Dimensions	125 x 95 mm	125 x 95 mm	114 x 95 mm	114 x 95 mm

System on Modules



Features\Models			ETM831	ETM710	ETM620	STX88831
Form Factor			ETX	ETX	ETX	STX
CPU Level			Intel® Atom™ N270	VIA V4 C7/Eden	AMD LX	Intel® Atom™ N270
CPU Socket			Onboard	Onboard	Onboard	Onboard
CPU FSB Frequency			533 MHz	400/533 MHz	N/A	533 MHz
Core Logic Chipset			Intel® 945GSE + ICH7M	VIA CX700M	AMD LX + CS5536AD	Intel® 945GSE + ICH7M
Memory Type			DDR2-400/533	DDR2-400/533	DDR-333/400	DDR2-400/533
Max. DRAM Capacity			2 GB	1 GB	1 GB	2 GB
Cache RAM Capacity			512KB in CPU	L2 in CPU	L2 in CPU	512KB
BIOS			AMI	Phoenix-Award	Phoenix-Award	AMI
Watchdog Timer			255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD			N/A	N/A	N/A	N/A
Onboard GPIO			N/A	N/A	N/A	N/A
I/O	IDE		1 x PATA-100	1 x PATA-133	2 x PATA-100	1 x PATA-100
	SATA		2 x SATA-150	2 x SATA-150	2 x SATA-150	1 x SATA-150
	FDD		1 x FDD (optional)	1 x FDD (optional)	1 x FDD (optional)	1 x FDD
	LPT		1 x LPT	1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	UARTs	UART's	UART's	UART's
		COM 2	UARTs	UART's	UART's	UART's
		COM 3	N/A	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A	N/A
	USB		4 x USB 2.0	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
IrDA		N/A	Yes	Yes	Yes	
Display			1 x VGA 1 x LVDS	1 x VGA 1 x LVDS	1 x VGA 1 x TTL	1 x VGA 1 x LVDS 1 x TTL
Onboard Ethernet			1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps
Onboard Audio			HD Codec	HD Codec	AC'97 Codec	Codec on baseboard
Hardware Monitoring			Yes	Yes	Yes	Yes
SMBus			N/A	N/A	N/A	N/A
Expansion Interface			4 x PCI ISA	4 x PCI ISA	3 x PCI ISA	4 x PCI ISA
Power Management			ACPI	ACPI	ACPI	ACPI
Battery			N/A	N/A	N/A	N/A
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE	CE
Wide Temperature			By request	N/A	-40°C ~ +85°C (-40°F ~+185°F)	N/A
Dimensions			114 x 95 mm	114 x 95 mm	114 x 95 mm	96 x 90 mm

System on Modules

(Baseboards)



Features/Models		CEB94006	CEB94000	ETB9F000
CPU Level		COM Express™ type 6	COM Express™ type 2	ETX
Onboard SSD		N/A	CompactFlash™	CompactFlash™
Watchdog Timer		255 levels, 1-255 sec	255 levels, 1-255 sec	255 levels, 1-255 sec
Onboard Digital I/O		N/A	N/A	N/A
I/O	IDE	N/A	1	2
	FDD	N/A	1	1
	Parallel	1	1	1
	Series	COM1	RS-232/422/485	RS-232/422/485
		COM2	RS-232	RS-232
		COM3	N/A	N/A
		COM4	N/A	N/A
	USB	6	6	4
	IrDA	N/A	Yes	Yes
Display		CRT/LVDS/DisplayPort/HDMI/DVI-D	CRT/LVDS LCD	CRT/LVDS LCD
Onboard Ethernet		1 x 10/100/1000Mbps	1 x 10/100/1000Mbps or 1 x 10/100Mbps	1 x 10/100Mbps
Onboard Audio		HD Audio	HD Audio	AC'97/HD Audio Codec
Video-in/out		N/A	N/A	N/A
Hardware Monitoring		Yes	Yes	Yes
Expansion Interface		1 x PCIe x16 1 x PCIe x4 2 x PCIe x1 1 x ExpressCard 1 x PCI Express Mini Card	1 x PCIe x16 1 x PCIe x4 or 3 x PCIe x1 2 x PCI 1 x ExpressCard 1 x MiniPCIe 1 x MiniPCI	4 x PCI 3 x ISA
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ 60°C (32°F ~ 140°F)	0°C ~ 60°C (32°F ~ 140°F)	0°C ~ 60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
Dimensions		244 x 244 mm	305 x 244 mm	305 x 190 mm
EMI Compliance		CE	CE	CE
Extended Temperature		N/A	N/A	N/A

System on Modules

(Baseboards)



Features\Models			STB97300	STB86600
CPU Level			STX	STX
Onboard SSD			DiskOnChip®	CompactFlash™ & DiskOnChip®
Watchdog Timer			64 levels, 0.5~1600 sec	64 levels, 0.5~1600 sec
Onboard Digital I/O			8-IN & 8-OUT	8-IN & 8-OUT
I/O	IDE		1	2
	FDD		1	1
	Parallel		1	1
	Series	COM1	RS-232	RS-232
		COM2	RS-232/422/485	RS-232/422/485
		COM3	N/A	RS-232
		COM4	N/A	RS-232
	USB		2	2
IrDA		Yes	Yes	
Display			CRT/TTL LCD	CRT/TTL LCD
Onboard Ethernet			1 x 10/100Mbps	1 x 10/100Mbps
Onboard Audio			AC'97 Audio Codec	AC'97 Audio Codec
Video-in/out			N/A	Option
Hardware Monitoring			Yes	Yes
Expansion Interface			1 x PC/104	3 x PCI
			1 x PC104	4 x ISA
Power Management			ACPI	ACPI
Battery			Lithium	Lithium
Operating Temperature			0°C ~ 60°C (32°F ~ 140°F)	0°C ~ 60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing
Dimensions			96 x 90 mm	305 x 220 mm
EMI Compliance			CE	CE
Extended Temperature			By Request	N/A

EPIC Boards



Features/Models			EP100	EP850	EP840	EP830
Form Factor			EPIC	EPIC	EPIC	EPIC
CPU Level			AMD G-Series APU T56N/ T40R	Intel® Core™2 Duo	Intel® Core™2 Duo	Intel® Core™2 Duo
CPU Socket			Onboard	Socket P	Socket P	Socket M
CPU FSB Frequency			N/A	667/800/1066 MHz	533/800 MHz	533/667 MHz
Core Logic Chipset			AMD A50M	Intel® GM45 + ICH9M	Intel® GME965 + ICH8M	Intel® 945GME + ICH7M
Memory Type			DDR3-1066/1333	DDR3-800/1066	DDR2-533/667	DDR2-533/667
Max. DRAM Capacity			4 GB	4 GB	2 GB	2 GB
Cache RAM Capacity			Integrated in APU	Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			AMI	AMI	Phoenix-Award	Phoenix-Award
Watchdog Timer			255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD			1 x CFast™	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O			8-IN/OUT	3-IN & 5-OUT	8-IN/OUT	8-IN/OUT
I/O	IDE		N/A	N/A	1 x PATA-100	1 x PATA-100
	SATA		2 x SATA-600	2 x SATA-300	2 x SATA-300	2 x SATA-150
	FDD		N/A	N/A	N/A	N/A
	LPT		N/A	N/A	N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232	RS-232
		COM 3	RS-232	N/A	RS-232	RS-232
		COM 4	RS-232	N/A	RS-232	RS-232
	USB		6 x USB 2.0	6 x USB 2.0	6 x USB 2.0	4 x USB 2.0
	IrDA		N/A	N/A	N/A	N/A
IEEE 1394a			N/A	N/A	N/A	2
Display			1 x VGA, 2 x DisplayPort or 1 x VGA, 1 x DisplayPort, 1 x LVDS	1 x VGA 1 x LVDS	1 x DVI-I 1 x LVDS	1 x DVI-I 1 x LVDS
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio			HD Codec	HD Codec	HD Codec	AC'97 Codec
Hardware Monitoring			Yes	Yes	Yes	Yes
SMBus			Yes	Yes	Yes	Yes
Expansion Interface			2 x PCI Express Mini Card	1 x PCI-104	1 x PCI-104	N/A
Power Management			ACPI	ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE	CE
Wide Temperature			N/A	N/A	N/A	N/A
Dimensions			165 x 115 mm	165 x 115 mm	165 x 115 mm	165 x 115 mm

3.5" Capa Boards



Features\Models		CAPA801	CAPA800	SBC84833
Form Factor		3.5"	3.5"	3.5"
CPU Level		Intel® Atom™ N455/ D425/ D525	Intel® Atom™ N450/ D410/ D510	Intel® Atom™ N270
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	533 MHz
Core Logic Chipset		Intel® ICH8M	Intel® ICH8M	Intel® 945GSE + ICH7M
Memory Type		DDR3-667/800	DDR2-667/800	DDR2-400/533
Max. DRAM Capacity		4 GB	2 GB	2 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	AMI	AMI
Watchdog Timer		255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD		1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		8-IN/OUT	8-IN/OUT	8-IN/OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-300	2 x SATA-300	2 x SATA-150
	FDD	N/A	N/A	N/A
	LPT	N/A	N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	N/A	N/A
		COM 6	N/A	N/A
	USB	6 x USB 2.0	8 x USB 2.0	7 x USB 2.0
	IrDA	N/A	N/A	N/A
	IEEE 1394a	N/A	N/A	N/A
Display		1 x VGA 1 x LVDS	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	1 x 10/100/1000Mbps
Onboard Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x PCI Express Mini Card	1 x PCI Express Mini Card	1 x PCI Express Mini Card
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)	-20°C ~ +70°C (-4°F ~ +158°F)
Dimensions		146 x 104 mm	146 x 104 mm	146 x 104 mm



Features\Models		SBC84832	SBC84831	CAPA810
Form Factor		3.5"	3.5"	3.5"
CPU Level		Intel® Atom™ N270	Intel® Atom™ N270	Intel® Atom™ E620/E640
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		533 MHz	533 MHz	N/A
Core Logic Chipset		Intel® 945GSE + ICH7M	Intel® 945GSE + ICH7M	N/A
Memory Type		DDR2-400/533	DDR2-400/533	DDR2-800
Max. DRAM Capacity		2 GB	2 GB	1 GB/2 GB onboard
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	AMI	AMI
Watchdog Timer		255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD		1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		3-IN & 5-OUT	3-IN & 5-OUT	8-IN/OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA-150	2 x SATA-150	2 x SATA-300
	FDD	N/A	N/A	N/A
	LPT	N/A	N/A	N/A
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232/422/485
		COM 3	N/A	RS-232
		COM 4	N/A	RS-232
		COM 5	N/A	N/A
		COM 6	N/A	N/A
	USB	6 x USB 2.0	4 x USB 2.0	3 x USB 2.0
	IrDA	N/A	N/A	N/A
IEEE 1394a		N/A	N/A	N/A
Display		1 x VGA	1 x VGA	1 x VGA
		1 x LVDS	1 x LVDS	1 x LVDS (optional)
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	1 x 10/100/1000Mbps
Onboard Audio		HD Codec	AC'97 Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x PCI Express Mini Card	N/A	1 x PCI Express Mini Card
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		By request	-20°C ~ +70°C (-4°F ~ +158°F)	N/A
Dimensions		146 x 104 mm	146 x 104 mm	146 x 104 mm

3.5" Capa Boards



Features/Models		SBC84826	SBC84825	SBC84823
Form Factor		3.5"	3.5"	3.5"
CPU Level		Intel® Atom™ Z510PT	Intel® Atom™ Z510P/ Z530P	Intel® Atom™ Z510PT/ Z520PT
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		400 MHz	400/533 MHz	400/533 MHz
Core Logic Chipset		Intel® US15WPT	Intel® US15WP	Intel® US15WPT
Memory Type		DDR2-400/533	DDR2-400/533	DDR2-400/533
Max. DRAM Capacity		2 GB	2 GB	2 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		Phoenix-Award	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD		1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		3-IN & 5-OUT	8-IN/OUT	3-IN & 5-OUT
I/O	IDE	N/A	N/A	N/A
	SATA	1 x SATA-300	1 x SATA-300	1 x SATA-300
	FDD	N/A	N/A	N/A
	LPT	N/A	N/A	N/A
	Serial	COM 1	RS-232	RS-232
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	N/A	N/A
		COM 6	N/A	N/A
	USB	4 x USB 2.0	6 x USB 2.0	6 x USB 2.0
	IrDA	N/A	N/A	N/A
IEEE 1394a		N/A	N/A	N/A
Display		1 x VGA	1 x VGA	1 x VGA
		1 x LVDS	1 x LVDS	1 x LVDS
Onboard Ethernet		1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
		1 x 10/100Mbps		
Onboard Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x PCI Express Mini Card	1 x PCI Express Mini Card	1 x PCI Express Mini Card
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	0°C ~ +60°C (32°F ~ 140°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		-40°C ~ +85°C (-40°F ~ +185°F)	By request	-40°C ~ +85°C (-40°F ~ +185°F)
Dimensions		146 x 104 mm	146 x 104 mm	146 x 104 mm



Features/Models		SBC84710	SBC84700	CAPA111
Form Factor		3.5"	3.5"	3.5"
CPU Level		VIA V4	VIA V4	AMD G-Series APU T40E/ T40R
CPU Socket		Onboard	Onboard	Onboard
CPU FSB Frequency		400/533 MHz	400/533 MHz	N/A
Core Logic Chipset		VIA CX700M	VIA CN700 + VT8237R Plus	AMD A50M
Memory Type		DDR2-400/533	DDR2-400/533	DDR3-1066
Max. DRAM Capacity		1 GB	1 GB	4 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in APU
BIOS		Phoenix-Award	Phoenix-Award	AMI
Watchdog Timer		255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD		1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		N/A	3-IN & 5-OUT	8-IN/OUT
I/O	IDE	1 x PATA-133	1 x PATA-133	N/A
	SATA	1 x SATA-150	1 x SATA-150	2 x SATA-600
	FDD	1 x FDD	1 x FDD	N/A
	LPT	1 x LPT	N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	N/A	N/A
		COM 6	N/A	N/A
	USB	4 x USB 2.0	4 x USB 2.0	6 x USB 2.0
	IrDA	N/A	Yes	N/A
IEEE 1394a		N/A	N/A	N/A
Display		1 x VGA	1 x VGA	1 x VGA
		1 x LVDS	1 x LVDS	1 x LVDS
Onboard Ethernet		1 x 10/100Mbps	2 x 10/100Mbps	2 x 10/100/1000Mbps
Onboard Audio		HD Codec	AC'97 Codec	HD Codec
Hardware Monitoring		N/A	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x MiniPCI	1 x MiniPCI	1 x PCI Express Mini Card
		1 x PC/104		
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		By request	By request	By request
Dimensions		146 x 104 mm	146 x 104 mm	146 x 104 mm

3.5" Capa Boards



Features/Models		CAPA110	SBC84622	SBC84621	SBC84620
Form Factor		3.5"	3.5"	3.5"	3.5"
CPU Level		AMD G-Series APU T56N	AMD LX800	AMD LX800	AMD LX800
CPU Socket		Onboard	Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	N/A	N/A
Core Logic Chipset		AMD A50M	CS5536AD	CS5536AD	CS5536AD
Memory Type		DDR3-1333	DDR-333/400	DDR-333/400	DDR-333/400
Max. DRAM Capacity		4 GB	1 GB	1 GB	1 GB
Cache RAM Capacity		Integrated in APU	Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	Phoenix-Award	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 0~255 sec.	255 levels, 0~255 sec.
Onboard SSD		1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		8-IN/OUT	8-IN/OUT	8-IN & 8-OUT	8-IN & 8-OUT
I/O	IDE	N/A	1 x PATA-100	1 x PATA-100	1 x PATA-100
	SATA	2 x SATA-600	N/A	N/A	N/A
	FDD	N/A	N/A	1 x FDD	1 x FDD
	LPT	N/A	1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232
		COM 3	RS-232	RS-232	RS-232
		COM 4	RS-232	RS-232	RS-232
		COM 5	N/A	N/A	N/A
		COM 6	N/A	N/A	N/A
	USB	6 x USB 2.0	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
	IrDA	N/A	N/A	N/A	N/A
	IEEE 1394a	N/A	N/A	N/A	N/A
Display		1 x VGA 1 x LVDS 1 x DisplayPort	1 x VGA 1 x LVDS/TTL	1 x VGA 1 x LVDS	1 x VGA 1 x TTL
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100Mbps	2 x 10/100Mbps	2 x 10/100Mbps
Onboard Audio		HD Codec	AC'97 Codec	AC'97 Codec	AC'97 Codec
Hardware Monitoring		Yes	Yes	Yes	Yes
SMBus		Yes	Yes	Yes	Yes
Expansion Interface		1 x PCI Express Mini Card	N/A	1 x MiniPCI 1 x PC/104	1 x MiniPCI 1 x PC/104
Power Management		ACPI	ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE	CE
Wide Temperature		By request	-25°C ~ +70°C (-13°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F) -25°C ~ +70°C (-13°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F) -25°C ~ +70°C (-13°F ~ +158°F)
Dimensions		146 x 104 mm	146 x 104 mm	146 x 104 mm	146 x 104 mm

Nano-ITX SBCs



Features/Models		NANO100	NANO101
Form Factor		Nano-ITX	Nano-ITX
CPU Level		AMD G-Series APU T56N	AMD G-Series APU T40E/ T40R
CPU Socket		Onboard	Onboard
CPU FSB Frequency		N/A	N/A
Core Logic Chipset		AMD A50M	AMD A50M
Memory Type		DDR3-1333	DDR3-1066
Max. DRAM Capacity		4 GB	4 GB
Cache RAM Capacity		Integrated in APU	Integrated in APU
BIOS		AMI	AMI
Watchdog Timer		255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD		1 x CFast™	1 x CFast™
Onboard Digital I/O		8-IN/OUT	8-IN/OUT
I/O	IDE	N/A	N/A
	SATA	1 x SATA-600	1 x SATA-600
	FDD	N/A	N/A
	LPT	N/A	N/A
	Serial	COM 1 RS-232/422/485	RS-232/422/485
		COM 2 RS-232	RS-232
		COM 3 N/A	N/A
		COM 4 N/A	N/A
	USB	6 x USB 2.0	6 x USB 2.0
	IrDA	N/A	N/A
IEEE 1394a		N/A	N/A
Display		1 x VGA	1 x VGA
		1 x DisplayPort	1 x LVDS
		1 x LVDS	
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio		HD Codec	HD Codec
Hardware Monitoring		Yes	Yes
SMBus		Yes	Yes
Expansion Interface		1 x PCI Express Mini Card	1 x PCI Express Mini Card
Power Management		ACPI	ACPI
Battery		Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE
Wide Temperature		N/A	N/A
Dimensions		120 x 120 mm	120 x 120 mm

Pico-ITX SBCs



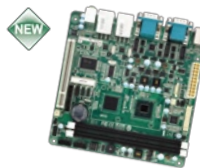
Features\Models		PICO100	PICO822	PICO821	PICO820
Form Factor		Pico-ITX	Pico-ITX	Pico-ITX	Pico-ITX
CPU Level		AMD G-Series APU T40E/T40R	Intel® Atom™ E600 series	Intel® Atom™ Z510/ Z530	Intel® Atom™ Z510/ Z530
CPU Socket		Onboard	Onboard	Onboard	Onboard
CPU FSB Frequency		N/A	N/A	400/533 MHz	400/533 MHz
Core Logic Chipset		AMD A50M	Intel® PCH EG20T	Intel® US15W	Intel® US15W
Memory Type		DDR3-1066	DDR2-667/800	DDR2-400/533	DDR2-400/533
Max. DRAM Capacity		4GB	1 GB	2 GB	2 GB
Cache RAM Capacity		Integrated in APU	Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	AMI	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1-255 sec.	255 Level, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD		1 x CompactFlash™	SATA NAND Flash	1 x CompactFlash™	1 x CompactFlash™
Onboard GPIO		N/A	N/A	N/A	N/A
Onboard Digital I/O		8-IN/OUT	8-IN/OUT	6-IN/OUT	4-IN & 4-OUT
I/O	IDE	N/A	N/A	1 x PATA-100	N/A
	SATA	1 x SATA-600	1 x SATA-300	N/A	1 x SATA-300
	FDD	N/A	N/A	N/A	N/A
	LPT	N/A	N/A	N/A	N/A
	Serial	COM 1	RS-232	RS-232	RS-232
		COM 2	RS-232	N/A	RS-232
		COM 3	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A
	USB	4 x USB 2.0	5 x USB 2.0 (1 client port)	5 x USB 2.0 (1 client port)	4 x USB 2.0
	IrDA	N/A	N/A	N/A	N/A
IEEE 1394a		N/A	N/A	N/A	N/A
Display		1 x VGA or 1 x DisplayPort 1 x LVDS	1 x LVDS	1 x LVDS	1 x VGA 1 x LVDS
Onboard Ethernet		1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps	1 x 10/100/1000Mbps
Onboard Audio		HD Codec	HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes	Yes
SMBus		Yes	Yes	Yes	Yes
Expansion Interface		N/A	1 x SDVO, 1 x PCIe1, 1 x UART, 1 x SMBus (Through board to board connector)	N/A	N/A
Power Management		ACPI	ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10 to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE	CE
Wide Temperature		N/A	N/A	N/A	N/A
Dimensions		100 x 72 mm	100 x 72 mm	100 x 72 mm	100 x 72 mm

PC/104 CPU Modules



Features/Models			AX12270	AX12260
Form Factor			PC/104	PC/104
CPU Level			VIA V4 C7/Eden	AMD LX800
CPU Socket			Onboard	Onboard
CPU FSB Frequency			400 MHz	N/A
Core Logic Chipset			VIA CX700M	CS5536AD
Memory Type			DDR2-400/533	DDR-333/400
Max. DRAM Capacity			512 MB	1 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU
BIOS			Phoenix-Award	Phoenix-Award
Watchdog Timer			255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD			1 x USB DiskOnModule	1 x USB DiskOnModule
Onboard Digital I/O			3-IN & 5-OUT	3-IN & 5-OUT
I/O	IDE		1 x PATA-133	1 x PATA-100
	SATA		N/A	N/A
	FDD		N/A	N/A
	LPT		N/A	N/A
	Serial	COM 1	RS-232/422/485	RS-232
		COM 2	RS-232	RS-232
		COM 3	N/A	N/A
		COM 4	N/A	N/A
	USB		4 x USB 2.0	4 x USB 2.0
	IrDA		N/A	N/A
IEEE 1394a			N/A	N/A
Display			1 x VGA 1 x LVDS	1 x VGA 1 x TTL
Onboard Ethernet			1 x 10/100Mbps	1 x 10/100Mbps
Onboard Audio			HD Codec	AC'97 Codec
Hardware Monitoring			Yes	Yes
SMBus			Yes	Yes
Expansion Interface			1 x PCI-104 1 x PC/104	1 x PCI-104 1 x PC/104
Power Management			ACPI	ACPI
Battery			Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE
Wide Temperature			-20°C ~ +70°C (-4°F ~ +158°F)	-40°C ~ +85°C (-40°F ~ +185°F)
Dimensions			96 x 90 mm	96 x 90 mm

Mini ITX Motherboards



Features\Models		MANO860	MANO825	MANO800
Form Factor		Mini ITX	Mini ITX	Mini ITX
CPU Level		Intel® Core™ i7/ i5/ i3/ Celeron®	Intel® Atom™ D525	Intel® Core™ i7/ i5/ i3/ Pentium®
CPU Socket		Socket G2	Onboard	LGA1156
CPU FSB Frequency		N/A	up to 800 MHz	N/A
Core Logic Chipset		Intel® QM67	Intel® NM10	Intel® Q57
Memory Type		DDR3-1066/1333	DDR3-800	DDR3-1066/1333
Max. DRAM Capacity		16 GB	4 GB	8 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	AMI	AMI
Watchdog Timer		255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 Level, 1-255 sec.
Onboard SSD		N/A	N/A	1 x CompactFlash™ or 1 x Cfast™ (optional)
Onboard Digital I/O		N/A	N/A	8 IN/OUT
I/O	IDE	N/A	N/A	N/A
	SATA	2 x SATA3.0, 3 x SATA2.0	2 x SATA-300	4 x SATA-300
	FDD	N/A	N/A	N/A
	LPT	N/A	1 x LPT	N/A
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	N/A
		COM 4	RS-232	N/A
		COM 5	N/A	N/A
		COM 6	N/A	N/A
	USB	12 x USB 2.0	7 x USB 2.0	10 x USB 2.0
	IrDA	N/A	N/A	N/A
	IEEE 1394a	N/A	N/A	N/A
Display		1 x VGA 1 x DP 1 x HDMI 1 x LVDS	1 x VGA 1 x LVDS	1 x DVI-D 1 x VGA
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		N/A	Yes	Yes
Expansion Interface		1 x PCIe x16 1 x PCI Express Mini Card	1 x PCI 1 x PCI Express Mini Card	1 x PCIe x4
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 90%, non-condensing	10% to 95%, non-condensing	10-95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	By request	N/A
Dimensions		170 x 170 mm	170 x 170 mm	170 x 170 mm



Features\Models		SBC86850	SBC86860	SBC86840
Form Factor		Mini ITX	Mini ITX	Mini ITX
CPU Level		Intel® Core™2 Duo	Intel® Core™2 Quad	Intel® Core™2 Duo
CPU Socket		Socket P	Socket P	Socket P
CPU FSB Frequency		667/800/1067 MHz	800/1066/1333 MHz	667/800 MHz
Core Logic Chipset		Intel® GM45 + ICH9M + ATI M72	Intel® Q35 + ICH9	Intel® GME965 + ICH8M
Memory Type		DDR2-667/800	DDR2-800/1066	DDR2-533/667
Max. DRAM Capacity		4 GB	8 GB	4 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD		N/A	1 x CompactFlash™ (optional)	1 x USB DiskOnModule
Onboard Digital I/O		8 IN/OUT	8 IN/OUT	8 IN/OUT
I/O	IDE	N/A	N/A	1 x PATA-100
	SATA	2 x SATA-300	4 x SATA-300	3 x SATA-300
	FDD	N/A	Optional	Optional
	LPT	N/A	1 x LPT	1 x LPT
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	N/A	N/A
		COM 6	N/A	N/A
	USB	8 x USB 2.0	8 x USB 2.0	8 x USB 2.0
	IrDA	N/A	N/A	N/A
	IEEE 1394a	N/A	Yes	Yes
Display		1 x DVI-I (w/ ATI M72) 1 x LVDS 1 x VGA	1 x DVI-I 1 x LVDS	1 x VGA 1 x LVDS
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x PCIe x4	1 x PCIe x4	1 x PCIe x1 1 x PCIe x16
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A
Dimensions		170 x 170 mm	170 x 170 mm	170 x 170 mm

Mini ITX Motherboards



Features\Models		SBC86841	SBC86834	SBC86831
Form Factor		Mini ITX	Mini ITX	Mini ITX
CPU Level		Intel® Core™2 Duo	Intel® Core™2 Duo	Intel® Core™2 Duo
CPU Socket		LGA775	LGA775	Socket M
CPU FSB Frequency		533/667/800/1066 MHz	533/800 MT/S	533/667 MHz
Core Logic Chipset		Intel® Q965 + ICH8	Intel® 945GC + ICH7	Intel® 945GME + ICH7M/-DH
Memory Type		DDR2-533/667/800	DDR2-533/667	DDR2-533/667
Max. DRAM Capacity		4 GB	2 GB	4 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		Phoenix-Award	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD		1 x USB DiskOnModule	1 x CompactFlash™	1 x USB DiskOnModule
Onboard Digital I/O		8 IN/OUT	3-IN & 5-OUT	3-IN & 5-OUT
I/O	IDE	N/A	1 x PATA-100	1 x PATA-100
	SATA	4 x SATA-300	2 x SATA-300	2 x SATA-150
	FDD	Optional	N/A	Optional
	LPT	1 x LPT	N/A	1 x LPT
	Serial	COM 1	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
		COM 5	RS-232	N/A
		COM 6	RS-232	N/A
	USB	8 x USB 2.0	6 x USB 2.0	8 x USB 2.0
	IrDA	N/A	N/A	N/A
	IEEE 1394a	Yes	N/A	Yes
Display		1 x DVI-I 1 x LVDS	1 x VGA 1 x LVDS 1 x DVI-D (optional)	1 x VGA 1 x LVDS
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio		HD Codec	AC'97 Codec	AC'97 Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		3 x PCIe x1 (via riser card)	1 x PCIe x4	1 x PCIe x16 1 x PCI
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A
Dimensions		170 x 170 mm	170 x 170 mm	170 x 170 mm



Features\Models		SBC86832	SBC86836	SBC86822	SBC86620
Form Factor		Mini ITX	Mini ITX	Mini ITX	Mini ITX
CPU Level		Intel® Core™2 Duo	Intel® Atom™ N270	Intel® Pentium® M	AMD LX800
CPU Socket		Socket M	Onboard	Socket 478	Onboard
CPU FSB Frequency		533/667 MHz	533 MHz	400/533 MHz	N/A
Core Logic Chipset		Intel® 945GME + ICH7M	Intel® 945GSE + ICH7M	Intel® 910GML + ICH6M	AMD LX800 + CS5536AD
Memory Type		DDR2-533/667	DDR2-400/533	DDR2-400/533	DDR-333/400
Max. DRAM Capacity		4 GB	2 GB	1 GB	1 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		Phoenix-Award	Phoenix-Award	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD		1 x USB DiskOnModule	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		3-IN & 5-OUT	4-IN & 4-OUT	4-IN & 4-OUT	8 IN/OUT
I/O	IDE	1 x PATA-100	N/A	1 x PATA-100	2 x PATA-100
	SATA	2 x SATA-150	2 x SATA-150	2 x SATA-150	N/A
	FDD	Optional	N/A	N/A	1 x FDD
	LPT	1 x LPT	N/A	N/A	1 x LPT
	Serial	COM 1	RS-232	RS-232	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232
		COM 3	RS-232	RS-232	RS-232
		COM 4	RS-232	RS-232	RS-232
		COM 5	N/A	RS-232	N/A
		COM 6	RS-232	RS-232	N/A
	USB	8 x USB 2.0	8 x USB 2.0	8 x USB 2.0	4 x USB 2.0
	IrDA	N/A	N/A	N/A	N/A
IEEE 1394a		Yes	N/A	N/A	N/A
Display		1 x DVI-I	1 x VGA	1 x VGA	1 x VGA/TTL
		1 x LVDS	1 x LVDS	1 x LVDS	1 x LVDS
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100Mbps
Onboard Audio		AC'97 Codec	AC'97 Codec	AC'97 Codec	AC'97 Codec
Hardware Monitoring		Yes	Yes	Yes	Yes
SMBus		Yes	Yes	Yes	Yes
Expansion Interface		1 x PCI	1 x PCI	N/A	1 x PCI
Power Management		ACPI	ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium	Lithium
Operating Temperature		0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE	CE
Wide Temperature		N/A	N/A	N/A	N/A
Dimensions		170 x 170 mm	170 x 170 mm	170 x 170 mm	170 x 170 mm

Industrial Motherboards



Features/Models		IMB206	IMB205	IMB203
Form Factor		ATX	ATX	ATX
CPU Level		Intel® Sandy Bridge DT processor	Intel® Core™ i7/ i5/ i3/ Pentium®	Intel® Core™2 Quad/ Core™2 Duo/ Celeron®
CPU Socket		Onboard	LGA1156	LGA775
CPU FSB Frequency		N/A	1066/1333 MHz	800/1066/1333 MHz
Core Logic Chipset		Intel® Q67	Intel® Q57	Intel® Q45 + ICH10DO
Memory Type		DDR3-1066/1333	DDR3-1066/1333	DDR3-800/1066
Max. DRAM Capacity		16 GB	16 GB	8 GB
Cache RAM Capacity		Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS		AMI	AMI	AMI
Watchdog Timer		255 levels, 0~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD		1 x CFast™	USB DOM	USB DoM
Onboard Digital I/O		8 IN/OUT or 4 IN/OUT	8 IN/OUT	8 IN/OUT
I/O	IDE	N/A	N/A	N/A
	SATA	3 x SATA-300, 2 x SATA 2.0	6 x SATA-300	6 x SATA-300
	FDD	N/A	1 x FDD	1 x FDD
	LPT	N/A	1 x LPT	N/A
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
	USB	12 x USB 2.0	12 x USB 2.0	12 x USB 2.0
	IrDA	N/A	N/A	N/A
IEEE 1394a		N/A	N/A	N/A
Display		1 x DVI-I	1 x VGA	1 x VGA
		2 x DisplayPort	1 x DisplayPort	
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio		HD Codec	HD Codec	HD Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		1 x PCIe x16	1 x PCIe x16	1 x PCIe x16
		1 x PCIe x4	1 x PCIe x4	1 x PCIe x4
		2 x PCIe x1	2 x PCIe x1	1 x PCI x1
		3 x PCI	3 x PCI	4 x PCI
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		N/A	N/A	N/A
Dimensions		305 x 244 mm	305 x 244 mm	305 x 244 mm



Features\\Models			IMB202	IMB201
Form Factor			ATX	ATX
CPU Level			Intel® Core™2 Quad/ Core™2 Duo/ Celeron®	Intel® Core™2 Duo/ Pentium® D/ Pentium® 4/ Celeron®
CPU Socket			LGA775	LGA775
CPU FSB Frequency			800/1066/1333 MHz	533/800/1066 MHz
Core Logic Chipset			Intel® Q35 + ICH9DO	Intel® Q965 + ICH8
Memory Type			DDR2-533/667/800	DDR2-533/667/800
Max. DRAM Capacity			8 GB	8 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU
BIOS			Phoenix-Award	Phoenix-Award
Watchdog Timer			255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD			1 x CompactFlash™ (optional)	1 x CompactFlash™ (optional)
Onboard Digital I/O			8 IN/OUT	8 IN/OUT
I/O	IDE		1 x PATA-100 (optional)	N/A
	SATA		6 x SATA-300	4 x SATA-300
	FDD		1 x FDD	1 x FDD
	LPT		1 x LPT	1 x LPT
	Serial	COM 1	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232
		COM 3	RS-232	RS-232
		COM 4	RS-232	RS-232
	USB		10 x USB 2.0	10 x USB 2.0
	IrDA		N/A	N/A
IEEE 1394a			Yes (optional)	Yes
Display			1 x VGA	1 x VGA
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio			HD Codec	HD Codec
Hardware Monitoring			Yes	Yes
SMBus			N/A	N/A
Expansion Interface			1 x PCIe x16 1 x PCIe x4 1 x PCI x1 4 x PCI	1 x PCIe x16 2 x PCIe x1 3 x PCI
Power Management			ACPI	ACPI
Battery			Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE
Wide Temperature			N/A	N/A
Dimensions			305 x 244 mm	305 x 244 mm

PICMG 1.3 Full-size SBCs



Features/Models			SHB108	SHB106	SHB105
Form Factor			PICMG 1.3	PICMG 1.3	PICMG 1.3
CPU Level			Intel® Xeon®/ Core™ i3	Intel® Core™ i7/ i5/ i3	Intel® Xeon®/ Core™ i5/ i3
CPU Socket			LGA1155	LGA1155	LGA1156
CPU FSB Frequency			N/A	N/A	N/A
Core Logic Chipset			Intel® C206	Intel® Q67	Intel® 3450
Memory Type			DDR3-1066/1333	DDR3-1066/1333	DDR3-800/1066/1333
Max. DRAM Capacity			16 GB	16 GB	8 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			AMI	AMI	AMI
Watchdog Timer			255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD			N/A	N/A	N/A
Onboard Digital I/O			N/A	N/A	N/A
I/O	IDE		N/A	N/A	N/A
	SATA		4 x SATA-300, 2 x SATA-600	4 x SATA-300, 2 x SATA-600	6 x SATA-300
	FDD		1 x FDD	1 x FDD	1 x FDD
	LPT		1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232
		COM 3	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A
	USB		14 x USB 2.0	14 x USB 2.0	12 x USB 2.0
	IrDA		N/A	N/A	N/A
IEEE 1394a			N/A	N/A	N/A
Display			1 x VGA or DisplayPort	1 x VGA or DisplayPort	1 x VGA or DisplayPort
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio			HD Codec	HD Codec	HD Codec
Hardware Monitoring			Yes	Yes	Yes
SMBus			Yes	Yes	Yes
Expansion Interface			1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 or 2 x PCIe x8 1 x PCIe x4 or 4 x PCIe x1 4 x PCI
Power Management			ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE
Wide Temperature			N/A	N/A	N/A
Dimensions			338 x 126 mm	338 x 126 mm	338 x 126 mm



Features\Models			SHB103	SHB111	SHB102
Form Factor			PICMG 1.3	PICMG 1.3	PICMG 1.3
CPU Level			Intel® Core™ i7/ i5/ i3/ Pentium®	Intel® Core™ i7/ i5/ i3	Intel® Core™2 Quad/ Core™2 Duo/ Celeron®
CPU Socket			LGA1156	Socket G	LGA775
CPU FSB Frequency			N/A	N/A	800/1066/1333 MHz
Core Logic Chipset			Intel® Q57	Intel® QM57	Intel® Q45 + ICH10DO
Memory Type			DDR3-800/1066/1333	DDR3-800/1066	DDR3-800/1066
Max. DRAM Capacity			8 GB	8 GB	8 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			AMI	AMI	AMI
Watchdog Timer			255 levels, 1-255 sec.	255 levels, 0-255 sec.	255 levels, 1-255 sec.
Onboard SSD			N/A	1 x CompactFlash™	N/A
Onboard Digital I/O			N/A	N/A	N/A
I/O	IDE		N/A	N/A	N/A
	SATA		6 x SATA-300	6 x SATA-300	6 x SATA-300
	FDD		1 x FDD	1 x FDD	1 x FDD
	LPT		1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	RS-232/422/485	RS-232	RS-232
		COM 2	RS-232	RS-232/422/485	RS-232/422/485
		COM 3	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A
	USB		12 x USB 2.0	14 x USB 2.0	12 x USB 2.0
IrDA		N/A	N/A	N/A	
IEEE 1394a			N/A	N/A	N/A
Display			1 x VGA or DisplayPort	1 x VGA or DisplayPort 1 x LVDS	1 x VGA
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio			HD Codec	HD Codec	HD Codec
Hardware Monitoring			Yes	Yes	Yes
SMBus			Yes	Yes	Yes
Expansion Interface			1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI
Power Management			ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE
Wide Temperature			N/A	N/A	N/A
Dimensions			338 x 126 mm	338 x 126 mm	338 x 126 mm

PICMG 1.3 Full-size SBCs



Features\\Models			SHB101	SHB100	SHB110
Form Factor			PICMG 1.3	PICMG 1.3	PICMG 1.3
CPU Level			Intel® Core™2 Quad/ Core™2 Duo/ Celeron®	Intel® Core™2 Duo/ Pentium® D/ Pentium® 4/ Celeron® D	Intel® Core™2 Duo/ Core™ Duo/ Core™ Solo/ Celeron® M
CPU Socket			LGA775	LGA775	Socket M
CPU FSB Frequency			800/1066/1333 MHz	533/800/1066 MHz	533/667 MHz
Core Logic Chipset			Intel® Q35 + ICH9R	Intel® 945G + ICH7R	Intel® 945GME + ICH7M-DH
Memory Type			DDR2-667/800	DDR2-533/667	DDR2-533/667
Max. DRAM Capacity			8 GB	4 GB	4 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			Phoenix-Award	Phoenix-Award	Phoenix-Award
Watchdog Timer			255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD			1 x USB DoM	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O			N/A	N/A	N/A
I/O	IDE		N/A	1 x PATA-100	1 x PATA-100
	SATA		6 x SATA-300	4 x SATA-300	2 x SATA-150
	FDD		1 x FDD	1 x FDD	1 x FDD
	LPT		1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	RS-232	RS-232	RS-232
		COM 2	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 3	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A
	USB		10 x USB 2.0	4 x USB 2.0	8 x USB 2.0
	IrDA		N/A	N/A	N/A
IEEE 1394a			N/A	N/A	N/A
Display			1 x VGA	1 x VGA	1 x VGA 1 x LVDS
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio			By audio converter	AC'97 Codec	AC'97 Codec
Hardware Monitoring			Yes	Yes	Yes
SMBus			Yes	N/A	N/A
Expansion Interface			1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1 4 x PCI
Power Management			ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE
Wide Temperature			N/A	N/A	N/A
Dimensions			338 x 126 mm	338 x 126 mm	338 x 126 mm

PICMG 1.3 Half-size SBCs



Features/Models			SHB213	SHB211	SHB210	SHB212
Form Factor			PICMG 1.3	PICMG 1.3	PICMG 1.3	PICMG 1.3
CPU Level			Intel® Core™ i7/ i5/ i3/ Celeron®	Intel® Core™2 Duo/ Celeron® M	Intel® Core™2 Duo/ Core™ Duo/ Celeron® M	Intel® Atom™ N455/ D425/ D525
CPU Socket			Socket G2	Socket P	Socket M	Onboard
CPU FSB Frequency			N/A	667/800/1066 MHz	533/667 MHz	N/A
Core Logic Chipset			Intel® HM65	Intel® GM45 + ICH9M	Intel® 945GME + ICH7M-DH	Intel® ICH 8M
Memory Type			DDR3-1066/1333	DDR3-800/1066	DDR2-533/667	DDR3-667/800
Max. DRAM Capacity			8 GB	8 GB	4 GB	4 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			AMI	AMI	Phoenix-Award	AMI
Watchdog Timer			255 levels, 0-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 0-255 sec.
Onboard SSD			1 x Cfast	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O			N/A	N/A	N/A	N/A
I/O	IDE		N/A	N/A	1 x PATA-100	N/A
	SATA		2 x SATA-600	2 x SATA-300	2 x SATA-150	2 x SATA-300
	FDD		N/A	1 x FDD (Optional)	1 x FDD	1 x FDD
	LPT		N/A	1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	RS-232/422/485	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 2	RS-232	RS-232	RS-232	RS-232
		COM 3	N/A	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A	N/A
	USB		2 x USB 3.0 (optional) 6 x USB 2.0	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
	IrDA		N/A	N/A	N/A	N/A
IEEE 1394a			N/A	N/A	N/A	N/A
Display			1 x VGA	1 x VGA or DisplayPort 1 x LVDS	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio			N/A	HD Codec	By Audio converter	HD Codec
Hardware Monitoring			Yes	Yes	Yes	Yes
SMBus			Yes	Yes	N/A	Yes
Expansion Interface			1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1	1 x PCIe x16 1 x PCIe x4 or 4 x PCIe x1	1 x PCIe x4 or 4 x PCIe x1
Power Management			ACPI	ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium	Lithium
Operating Temperature			0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)	0°C - +60°C (32°F - 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE	CE
Wide Temperature			N/A	N/A	N/A	N/A
Dimensions			185 x 126 mm	185 x 126 mm	185 x 126 mm	185 x 126 mm

PICMG 1.0 Full-size SBCs



Features\Models			SBC81205	SBC81206	SBC81207
Form Factor			PICMG 1.0	PICMG 1.0	PICMG 1.0
CPU Level			Intel® Core™2 Quad/ Core™2 Duo/ Celeron®	Intel® Core™2 Duo/ Pentium® D/ Pentium® 4/ Celeron® D	Intel® Atom™ N450/ D510/ D410
CPU Socket			LGA775	LGA775	Onboard
CPU FSB Frequency			800/1066/1333 MHz	533/800 MHz	N/A
Core Logic Chipset			Intel® Q35 + ICH9	Intel® 945GC + ICH7/7R	Intel® ICH8M + ITE8888G
Memory Type			DDR2-667/800	DDR2-533/667	DDR2-667/800
Max. DRAM Capacity			4 GB	2 GB	4 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			Phoenix-Award	Phoenix-Award	AMI
Watchdog Timer			255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 0-255 sec.
Onboard SSD			N/A	IDE DoM	1 x CompactFlash™ (optional)
Onboard Digital I/O			N/A	N/A	N/A
I/O	IDE		N/A	1 x PATA-100	1 x PATA-100
	SATA		4 x SATA-300	4 x SATA-300	3 x SATA-300
	FDD		1 x FDD	1 x FDD	1 x FDD
	LPT		1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	RS-232	RS-232	RS-232
		COM 2	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 3	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A
	USB		6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
	IrDA		N/A	N/A	N/A
IEEE 1394a			N/A	N/A	N/A
Display			1 x VGA	1 x VGA	1 x VGA
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100/1000Mbps
Onboard Audio			By audio converter	By audio converter	HD Codec
Hardware Monitoring			Yes	Yes	Yes
SMBus			N/A	Yes	Yes
Expansion Interface			PCI & ISA	PCI & ISA	PCI & ISA
Power Management			ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE
Wide Temperature			N/A	N/A	N/A
Dimensions			338 x 122 mm	338 x 122 mm	338 x 122 mm



Features/Models			SBC81210	SBC81203	SBC81700
Form Factor			PICMG 1.0	PICMG 1.0	PICMG 1.0
CPU Level			Intel® Core™ i7/ i5/ i3	Intel® Core™2 Duo/ Pentium® D/ Pentium® 4/ Celeron® D	VIA V4 Eden/C7
CPU Socket			LGA1155	LGA775	Onboard
CPU FSB Frequency			N/A	533/800/1066 MHz	400 MHz
Core Logic Chipset			Intel® B65	Intel® 945G + ICH7R	VIA CN700 + VT8237R-Plus
Memory Type			DDR3-1066/1333	DDR2-533/667	DDR2-400/533
Max. DRAM Capacity			8 GB	4 GB	2 GB
Cache RAM Capacity			Integrated in CPU	Integrated in CPU	Integrated in CPU
BIOS			AMI	Phoenix-Award	Phoenix-Award
Watchdog Timer			255 levels, 0-255 sec.	255 levels, 1-255 sec.	255 levels, 1-255 sec.
Onboard SSD			N/A	1 x CompactFlash™ (Optional)	N/A
Onboard Digital I/O			N/A	N/A	N/A
I/O	IDE		N/A	1 x PATA-100	2 x PATA-133
	SATA		1 x SATA-600 & 3 SATA-300	4 x SATA-300	2 x SATA-150
	FDD		1 x FDD	1 x FDD	1 x FDD
	LPT		1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1	RS-232	RS-232	RS-232
		COM 2	RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 3	N/A	N/A	N/A
		COM 4	N/A	N/A	N/A
	USB		6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
	IrDA		N/A	N/A	N/A
IEEE 1394a			N/A	N/A	N/A
Display			1 x VGA	1 x VGA	1 x VGA
Onboard Ethernet			2 x 10/100/1000Mbps	2 x 10/100/1000Mbps	2 x 10/100Mbps
Onboard Audio			By audio converter	AC'97 Codec	AC'97 Codec (optional)
Hardware Monitoring			Yes	Yes	Yes
SMBus			Yes	N/A	Yes
Expansion Interface			PCI	PCI	PCI & ISA
Power Management			ACPI	ACPI	ACPI
Battery			Lithium	Lithium	Lithium
Operating Temperature			0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity			10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance			CE	CE	CE
Wide Temperature			N/A	N/A	N/A
Dimensions			338 x 122 mm	338 x 122 mm	338 x 122 mm

PICMG 1.0 Half-size SBCs



Features\Models		SBC82820	SBC82700	SBC82702
Form Factor		PCI	PCI	ISA
CPU Level		Intel® Pentium® M/ Celeron® M	VIA V4	VIA V4
CPU Socket		Socket 478	Onboard	Onboard
CPU FSB Frequency		400 MHz	400 MHz	400 MHz
Core Logic Chipset		Intel® 910GML + ICH6M	VIA CN700 + VT8237R-Plus	VIA CN700 + VT8237R-Plus
Memory Type		DDR2-400/533	DDR2-400/533	DDR2-400/533
Max. DRAM Capacity		2 GB	1 GB	1 GB
Cache RAM Capacity		L2 in CPU	L2 in CPU	L2 in CPU
BIOS		Phoenix-Award	Phoenix-Award	Phoenix-Award
Watchdog Timer		255 levels, 1~255 sec.	255 levels, 1~255 sec.	255 levels, 1~255 sec.
Onboard SSD		1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Onboard Digital I/O		N/A	N/A	N/A
I/O	IDE	1 x PATA-100	1 x PATA-133	1 x PATA-133
	SATA	2 x SATA-150	2 x SATA-150	2 x SATA-150
	FDD	1 x FDD (optional)	1 x FDD	1 x FDD
	LPT	1 x LPT	1 x LPT	1 x LPT
	Serial	COM 1 RS-232	RS-232	RS-232
		COM 2 RS-232/422/485	RS-232/422/485	RS-232/422/485
		COM 3 N/A	N/A	N/A
		COM 4 N/A	N/A	N/A
	USB	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
	IrDA	N/A	N/A	N/A
IEEE 1394a		N/A	N/A	N/A
Display		1 x VGA 1 x LVDS 1 x DVI-I	1 x VGA 1 x LVDS	1 x VGA 1 x LVDS
Onboard Ethernet		2 x 10/100/1000Mbps	2 x 10/100Mbps or 2 x 10/100/1000Mbps	2 x 10/100Mbps or 2 x 10/100/1000Mbps
Onboard Audio		AC'97 Codec	AC'97 Codec	AC'97 Codec
Hardware Monitoring		Yes	Yes	Yes
SMBus		Yes	Yes	Yes
Expansion Interface		PCI	PCI	ISA
Power Management		ACPI	ACPI	ACPI
Battery		Lithium	Lithium	Lithium
Operating Temperature		0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)	0°C ~ +60°C (32°F ~ 140°F)
Relative Humidity		10% to 95%, non-condensing	10% to 95%, non-condensing	10% to 95%, non-condensing
EMI Compliance		CE	CE	CE
Wide Temperature		By Request	By Request	By Request
Dimensions		185 x 122 mm	185 x 122 mm	185 x 122 mm

Add-on-Cards

AX92203

MiniPCI Wireless LAN Module

- ▶ Form Factor: MiniPCI type-III 124-pin interface
- ▶ Controller: V/A, 802.11b/g
- ▶ Connector: Two antenna interfaces for Main and Aux wired antenna kits
- ▶ EMI Requirements: CE, FCC class A/B compliance
- ▶ Dimensions (W x D): 2.36"(60mm) x 1.73"(44mm)
- ▶ Accessories: 2 x cables and antennas, 1 x utility CD



AX93242

HD Audio Converter Board with Bracket

- ▶ Mic-in/CD-in//Line-in/Line-out/Speaker-out
- ▶ For SBC81205, SBC81206, SHB210 and SHB101



AX93208

ECX stacking module for extra expansion of Giga LAN x 1 and 18/24-bit single/dual LVDS

- ▶ Applied for SBC84820 and SBC84830



AX92200

MiniPCI Fast/Gigabit Ethernet Module

- ▶ Form Factor: MiniPCI type-III 124-pin interface
- ▶ Controller: Realtek RTL8100C/8110S
- ▶ Connector: One 14-pin interface for external RJ-45 adapter kit
- ▶ EMI Requirements: CE, FCC class A compliance
- ▶ Dimensions (W x D): 2.36"(60mm) x 1.97"(50.03mm)
- ▶ Accessories: 1 x Ethernet bracket; 1 x utility CD



AX93200C

ECX stacking module for extra expansion of COM x 2 and MiniPCI

- ▶ Applied for SBC84820 and SBC84830



AX93222

ECX stacking module for extra expansion of SDVO device

- ▶ AX93222D: ECX stacking module for extra expansion of DVI
- ▶ AX93222V: ECX stacking module for extra expansion of VGA
- ▶ Applied for SBC84820 and SBC84830



Add-on-Cards

AX96144

PCIe x4 riser card with 4-slot PCIe x1 add-on card which is aside the SBCs

- ▶ Applied for SBC86860, SBC86850, SBC86834



AX93221

LVDS to DVI-D Converter

- ▶ Input supports 18/36/24/48-bit LVDS through 40-pin Hirose LVDS connector
- ▶ Output supports DVI-D connector
- ▶ Size: 60 x 50mm



AX95601

LVDS Converter

- ▶ From Factor: ECX stacking module
- ▶ Controller: Xilinx XC3S200AN
- ▶ Connector: 2 x 40-pins LVDS connectors
- ▶ Dimention: 65 x 43 mm
- ▶ Applied for CAPA800 and CAPA801

Ordering Information

AX95601	LVDS converter for pixel compensated to 1280 x 1024 48 bit
AX95601	LVDS converter for scale up to 1920 x 1080 48 bit



Embedded Systems



Features\Models	eBOX550-100-FL	eBOX510-820-FL	eBOX511-820-FL
CPU Level	AMD G-Series APU T40E 1.0 GHz/ T40R 1.0 GHz	Intel® Atom™ Z510 1.1 GHz/ Z530 1.6 GHz	Intel® Atom™ Z510 1.1 GHz/ Z530 1.6 GHz
System Memory	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
Chipset	AMD Fusion Controller Hub Hudson-M1	Intel® US15W core logic	Intel® US15W core logic
Serial	N/A	1 x RS-232 (COM 1)	2 x RS-232 (COM 1/2)
Display	1 x VGA 1 x DisplayPort	1 x VGA	1 x VGA
Audio	1 x Audio (Line-in/Line-out)	1 x Audio (Line-out)	1 x Audio (Mic-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	N/A	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	1 x 10/100/1000Mbps Ethernet	1 x 10/100/1000Mbps Ethernet
USB	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
Expansion Interface	1 x PCI Express Mini Card (USB+PCIe)	N/A	N/A
Storage	1 x 2.5" HDD 1 x CFast™	1 x CompactFlash™	1 x CompactFlash™
Watchdog Timer	255 levels, 1 - 255 sec.	255 levels, 1 - 255 sec.	255 levels, 1 - 255 sec.
Power Supply	60W 115 - 230VAC adapter	25W 100 - 240VAC adapter	25W wide range DC-in (10VDC - 30VDC)
Operating Temperature	-10°C - +45°C (13°F - 113°F) (with W.T. HDD)	0°C - +50°C (32°F - 122°F) (with W.T. CF)	0°C - +50°C (32°F - 122°F) (with W.T. CF)
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	Yes	Yes
Dimensions (W x D x H)	145 x 132 x 50 mm (5.7" x 5.19" x 1.96")	132 x 95.4 x 37.5 mm (5.19" x 3.75" x 1.47")	132 x 95.4 x 47.5 mm (5.19" x 3.75" x 1.87")
Weight (net/gross)	1.8 kg (3.97 lb)/2.6 kg (5.73 lb)	0.48 kg (1.06 lb)/0.5 kg (1.1 lb)	0.6 kg (1.32 lb)/1.2 kg (2.64 lb)
Certification	CE	CE	CE
EOS Support	XPE, CE, Linux	XPE, CE, Linux	XPE, CE, Linux

Embedded Systems



Features\Models	eBOX530-820-FL	eBOX531-820-FL	eBOX532-100-FL
CPU Level	Intel® Atom™ Z510 1.1 GHz/ Z530 1.6 GHz	Intel® Atom™ Z510 1.1 GHz/ Z530 1.6 GHz	AMD G-Series APU T40R 1.0 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 204-pin DDR3 SODIMM max. up to 4 GB
Chipset	Intel® US15W core logic	Intel® US15W core logic	AMD Fusion Controller Hub A50M chipset
Serial	2 x RS-232 (COM 1/2)	2 x RS-232 (COM 1/2)	2 x RS-233 (COM 1/2)
Display	1 x VGA	1 x VGA	1 x VGA or 1 x DisplayPort
Audio	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse
Ethernet	1 x 10/100/1000Mbps Ethernet	1 x 10/100/1000Mbps Ethernet	1 x 10/100/1000Mbps Ethernet
USB	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
Expansion Interface	N/A	N/A	N/A
Storage	1 x 2.5" HDD/SSD 1 x CompactFlash™	1 x 2.5" HDD/SSD 1 x CompactFlash™	1 x 2.5" HDD/SSD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	25W 100 ~ 240VAC adapter	25W wide range DC-in (10VDC - 30VDC)	25W 100 ~ 240VAC adapter
Operating Temperature	0°C ~ +45°C (32°F ~ 113°F) (with W.T. HDD) 0°C ~ +50°C (32°F ~ 122°F) (with W.T. SSD & W.T. CF)	0°C ~ +45°C (32°F ~ 113°F) (with W.T. HDD) 0°C ~ +50°C (32°F ~ 122°F) (with W.T. SSD & W.T. CF)	0°C ~ +45°C (32°F ~ 113°F) (with W.T. HDD) 0°C ~ +50°C (32°F ~ 122°F) (with W.T. SSD & W.T. CF)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	132 x 95.4 x 47.5 mm (5.19" x 3.75" x 1.85")	132 x 95.4 x 59.5 mm (5.19" x 3.75" x 2.34")	132 x 95.4 x 47.5 mm (5.19" x 3.75" x 1.85")
Weight (net/gross)	0.5 kg (1.1 lb)/0.6 kg (1.32 lb)	0.76 kg (1.67 lb)/1.3 kg (2.86 lb)	0.5 kg (1.1 lb)/0.6 kg (1.32 lb)
Certification	CE	CE	CE
EOS Support	XPE, CE, Linux	XPE, CE, Linux	XPE, CE, Linux, Windows® 7



Features/Models	eBOX620-110-FL	eBOX620-801-FL	eBOX622-831-FL
CPU Level	AMD G-Series APU T56N 1.65 GHz	Intel® Atom™ N455 1.66 GHz/ D525 1.8 GHz	Intel® Atom™ N270 1.6 GHz
System Memory	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB	1 x 204-pin DDR3 SODIMM max. up to 4 GB	1 x 200-pin DDR2 SO-DIMM max. up to 1 GB
Chipset	AMD Fusion Controller Hub Hudson-M1	Intel® ICH8M	Intel® 945GSE + ICH7M
Serial	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1)	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1)	6 x RS-232 (COM 1-6)
Display	1 x VGA 1 x DisplayPort	1 x VGA 1 x DVI (optional)	1 x VGA
Audio	1 x Audio (Line-in/Line-out)	1 x Audio (Line-in/Line-out)	1 x Audio (Line-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet
USB	4 x USB 2.0	4 x USB 2.0 (optional for 6)	4 x USB 2.0
Expansion Interface	1 x PCI Express Mini Card (USB+PCIe)	1 x PCI Express Mini Card (USB+PCIe)	N/A
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1-255 sec.	255 levels, 1-255 sec.	255 levels, 1 - 255 sec.
Power Supply	60W 115-230VAC adapter	60W 115-230VAC adapter	60W 115 - 230VAC adapter
Operating Temperature	-10°C ~ +55°C (13°F ~131°F) (with W.T. HDD)	-10°C ~ +55°C (13°F ~131°F) (with W.T. HDD)	-10°C ~ +50°C (14°F ~ 122°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	200 x120 x 56 mm (7.87" x 4.72" x 2.2")	200 x120 x 56 mm (7.87" x 4.72" x 2.2")	200 x 120 x 56 mm (7.87" x 4.72" x 2.2")
Weight (net/gross)	1.8 kg (3.97 lb)/2.6 kg(5.73 lb)	1.8 kg (3.97 lb)/2.6 kg(5.73 lb)	1.5 kg (3.3 lb)/2.5 kg (4.4 lb)
Certification	CE	CE	CE
EOS Support	XPE, CE, Linux	XPE, CE, Linux	XPE, WinCE, Linux

Embedded Systems



Features\Models	eBOX620-800-FL	eBOX620-831-FL	eBOX620-823-FL
CPU Level	Intel® Atom™ N450/ D510 1.66 GHz	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ Z510PT 1.1 GHz/ Z520PT 1.33 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
Chipset	Intel® ICH8M	Intel® 945GSE + ICH7M	Intel® US15WPT core logic
Serial	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 1/2/3)	2 x RS-232 (COM 1/2)
Display	1 x VGA 1 x DVI (optional)	1 x VGA	1 x VGA
Audio	1 x Audio (Line-in/Line-out)	1 x Audio (Line-in/Line-out)	1 x Audio (Line-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	N/A	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet	1 x 10/100/1000Mbps Ethernet
USB	4 x USB 2.0	4 x USB 2.0	4 x USB 2.0
Expansion Interface	1 x PCI Express Mini Card (USB + PCIe)	N/A	1 x PCI Express Mini Card (USB only)
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	60W 115~230VAC adapter	60W 115 ~ 230VAC adapter	36W 12 ~ 24VDC-in
Operating Temperature	-10°C ~ +55°C (14°F ~ 131°F) (with W.T. HDD)	-10°C ~ +50°C (14°F ~ 122°F) (with W.T. HDD)	-20°C ~ +65°C (-4°F ~ +149°F) (with W.T. CF)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	Yes
Dimensions (W x D x H)	200 x 120 x 56 mm (7.87" x 4.72" x 2.2")	200 x 120 x 56 mm (7.87" x 4.72" x 2.2")	200 x 120 x 56 mm (7.87" x 4.72" x 2.2")
Weight (net/gross)	1.98 kg (4.36 lb)/2.6 kg(5.73 lb)	1.8 kg (3.97 lb)/2.6 kg (5.73 lb)	1.8 kg (3.97 lb)/2.6 kg (5.73 lb)
Certification	CE	CE	CE
EOS Support	XPE, CE, Linux	XPE, CE, Linux	XPE, CE, Linux



Features/Models	eBOX621-831-FL	eBOX630-100-FL	eBOX630-850-FL
CPU Level	Intel® Atom™ N270 1.6 GHz	AMD G-Series APU T56N 1.65 GHz	Socket P Intel® Core™ 2 Duo processor
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB
Chipset	Intel® 945GSE + ICH7M	AMD Fusion Controller Hub Hudson-M1	Intel® GM45 + ICH9M
Serial	3 x RS-232 (COM 1/2/3)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	2 x RS-232 (COM 1/2)
Display	1 x VGA	1 x VGA 2 x DisplayPort	1 x VGA 1 x DVI-I (optional)
Audio	1 x Audio (Line-in/Line-out)	1 x Audio (Line-in/Line-out)	1 x Audio (Mic-in/Line-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	1 x PS/2 keyboard/mouse	N/A	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet
USB	4 x USB 2.0	6 x USB 2.0	4 x USB 2.0
Expansion Interface	N/A	2 x PCI Express Mini Card (USB+PCIe), 1 x SIM slot	N/A
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CFast™	1 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1~255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	42.5W 9 ~ 34VDC-in	60W 115~230VAC adapter	60W 116 ~ 230VAC adapter
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F) (with W.T. HDD)	-10°C ~ +55°C (13°F ~ 131°F) (with W.T. HDD)	0°C ~ +45°C (32°F ~ 113°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
DIN-rail	Yes	Yes	N/A
Dimensions (W x D x H)	200 x 120 x 56 mm (7.87" x 4.72" x 2.2")	280 x 150 x 67 mm (2.64" x 11.02" x 5.91")	182 x 230 x 130.8 mm (7.17" x 9.06" x 5.15")
Weight (net/gross)	1.8 kg (3.97 lb)/2.6 kg (5.73 lb)	2.5 kg (5.51 lb)/4.5 kg (9.92 lb)	2.5 kg (5.51 lb)/4.5 kg (9.92 lb)
Certification	CE	CE	CE
EOS Support	XPE, CE, Linux	XPE, CE, Linux	XPE, WinCE, Linux

Embedded Systems



Features/Models	eBOX630-830-FL	eBOX646-FL	eBOX647-FL
CPU Level	ULV Intel® Celeron® M 1.06 GHz/ Intel® Core™2 Duo/ Core™ Duo/ Core™ Solo/ Celeron® M up to 2.33 GHz	AMD LX800 500 MHz	VIA C7 1.5 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR SO-DIMM max. up to 1 GB	1 x 200-pin DDR2 SO-DIMM max. up to 1 GB
Chipset	Intel® 945GME + ICH7M	AMD LX800 + CS5536	VIA CX700M + ITE8888G
Serial	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
Display	1 x DVI-I 1 x DVI-D (optional)	1 x VGA	1 x VGA
Audio	1 x Audio (Mic-in/Line-out)	0 (optional 1)	1 x Audio (Mic-in/Line-in/Line-out)
LPT	N/A	0 (optional 1)	1 x LPT
PS/2	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100Mbps Ethernet	1 x 10/100Mbps Ethernet
USB	4 x USB 2.0	3 x USB 2.0	3 x USB 2.0
Expansion Interface	N/A	N/A	N/A
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	60W 115 ~ 230VAC adapter	20W 90 ~ 264VAC adapter	60W 90 ~ 264VAC adapter
Operating Temperature	0°C ~ +50°C (32°F ~ 122°F) (with W.T. HDD)	-10°C ~ +50°C (14°F ~ 122°F) (with W.T. CF)	0°C ~ +50°C (32°F ~ 122°F) (with W.T. CF)
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	Yes
Dimensions (W x D x H)	280 x 150 x 67 mm (11.02" x 5.91" x 2.64")	200 x 150 x 44 mm (7.8" x 5.9" x 1.73")	200 x 150 x 52.8 mm (7.87" x 5.90" x 2.07")
Weight (net/gross)	2.5 kg (5.51 lb)/4.5 kg (9.92 lb)	1.3 kg (2.86 lb)/1.8 kg (3.97 lb)	1.5 kg (3.31 lb)/2.6 kg (5.73 lb)
Certification	CE	CE	CE
EOS Support	XPE, WinCE, Linux	XPE, WinCE, Linux	XPE, WinCE, Linux



Features\Models	eBOX745-FL500	eBOX746A-FL
CPU Level	AMD® Geode LX800 500 MHz	VIA Eden 1 GHz VIA C7 1.5 GHz
System Memory	1 x 200-pin DDR SO-DIMM max. up to 1 GB	1 x 200-pin DDR2 SO-DIMM max. up to 1 GB
Chipset	AMD LX800 + CS5536	VIA CX700M
Serial	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
Display	1 x VGA	1 x VGA
Audio	N/A	N/A
LPT	1 x LPT	1 x LPT
PS/2	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100Mbps Ethernet	1 x 10/100Mbps Ethernet 1 x 10/100/1000Mbps Ethernet (optional)
USB	3 x USB 2.0	3 x USB 2.0
Expansion Interface	N/A	N/A
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	72W AT 85 ~ 270VAC	70W AT 85 ~ 270VAC
Operating Temperature	72W AT 18 ~ 36VDC -20 °C ~ +50 °C (-4 °F ~ +122 °F) (with W.T. HDD)	72W AT 18 ~ 36VDC -10 °C ~ +50 °C (14 °F ~ 122 °F) (with W.T. HDD)
Wall Mount	Yes	Yes
DIN-rail	Yes	Yes
Dimensions (W x D x H)	225 x 225 x 51 mm (8.86" x 8.86" x 2.01")	225 x 225 x 63 mm (8.86" x 8.86" x 2.48")
Weight (net/gross)	2.15 kg (4.74 lb)/2.9 kg (6.39 lb)	2.65 kg (5.84 lb)/4.2 kg (9.26 lb)
Certification	CE	CE
EOS Support	XPE, WinCE, Linux	XPE, WinCE, Linux

Embedded Systems



Features\Models	eBOX639-836-FL	eBOX639-822-FL	eBOX639-840-FL
CPU Level	Intel® Atom™ N270 1.6 GHz	Intel® Celeron® M 1.0 GHz Intel® Pentium® M/ Celeron® M up to 2.0 GHz	Socket P Intel® Core™2 Duo/ Celeron® M up to 2.2 GHz
System Memory	1 x 240-pin DDR2 DIMM max. up to 2 GB	2 x 240-pin DDR2 DIMM max. up to 2 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB
Chipset	Intel® 945GSE + ICH7M	Intel® 910GMLE + ICH6M	Intel® GME965 + ICH8M
Serial	5 x RS-232 (COM 2-6) 1 x RS-232/422/485 (COM 1)	6 x RS-232 (COM 1-6)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
Display	1 x VGA	1 x VGA	1 x VGA
Audio	1 x Audio (Line-in/Line-out)	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
LPT	N/A	1 x LPT	N/A
PS/2	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet
USB	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
Expansion Interface	2 x PCI	2 x PCI	2 x PCI or 1 x PCIe x16 & 1 x PCI
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD	1 x 2.5" HDD
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	107W ATX 16 ~ 28VDC	107W ATX 16 ~ 28VDC	150W ATX 10 ~ 30VDC
Operating Temperature	-10°C ~ +55°C (14°F ~ 131°F) (with W.T. HDD)	-10°C ~ +50°C (14°F ~ 122°F) (with W.T. HDD)	-10°C ~ +40°C (14°F ~ 104°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	N/A
Dimensions (W x D x H)	182 x 230 x 130.8 mm (7.17" x 9.06" x 5.15")	182 x 230 x 130.8 mm (7.17" x 9.06" x 5.15")	182 x 230 x 140 mm (7.17" x 9.06" x 5.51")
Weight (net/gross)	4.1 kg (9.04 lb)/4.8 kg (10.58 lb)	4.1 kg (9.04 lb)/4.8 kg (10.58 lb)	4.5 kg (9.92 lb)/5.0 kg (11.02 lb)
Certification	CE	CE	CE
EOS Support	XPE, WinCE, Linux	XPE, WinCE, Linux	XPE, WinCE, Linux



Features/Models	eBOX830-822-FL	eBOX830-831-FL	eBOX830-831
CPU Level	Intel® Pentium® M/ Celeron® M up to 2.0 GHz	Intel® Celeron® M/ LV Intel® Core™2 Duo 1.5 GHz (L7400)	Intel® Core™2 Duo/ Core™ Duo/ Celeron® M up to 2.33 GHz
System Memory	2 x 240-pin DDR2 DIMM max. up to 2 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB
Chipset	Intel® 910GMLE + ICH6M	Intel® 945GME + ICH7M/-DH	Intel® 945GME + ICH7M/-DH
Serial	6 x RS-232 (COM 1-6)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
Display	1 x VGA	1 x VGA	1 x VGA
Audio	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	2 x PS/2 keyboard/mouse	2 x PS/2 keyboard/mouse	2 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet
USB	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
Expansion Interface	1 x PCI	1 x PCI	1 x PCI
Storage	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
Watchdog Timer	255 levels, 1 - 255 sec.	255 levels, 1 - 255 sec.	255 levels, 1 - 255 sec.
Power Supply	120W ATX 90 - 264VAC	120W ATX 90 - 264VAC	250W ATX 90 - 264VAC
Operating Temperature	0°C - +45°C (32°F - 113°F) (with W.T. HDD)	0°C - +45°C (32°F - 113°F) (with W.T. HDD)	0°C - +45°C (32°F - 113°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
DIN-rail	N/A	N/A	N/A
Dimensions (W x D x H)	300 x 210 x 104.5 mm (11.81" x 8.27" x 4.11")	300 x 210 x 104.5 mm (11.81" x 8.27" x 4.11")	300 x 210 x 104.5 mm (11.81" x 8.27" x 4.11")
Weight (net/gross)	6.3 kg (13.89 lb)/8 kg (17.64 lb)	6.3 kg (13.89 lb)/8.2 kg (18.08 lb)	6.3 kg (13.89 lb)/8 kg (17.64 lb)
Certification	CE	CE	CE
EOS Support	XPE, WinCE, Linux	XPE, WinCE, Linux	XPE, WinCE, Linux

Embedded Systems



Features\Models	eBOX832-831	eBOX832-840
CPU Level	Intel® Core™2 Duo/ Core™ Duo/ Celeron® M up to 2.33 GHz	Intel® Core™2 Duo/ Celeron® M up to 2.2 GHz
System Memory	2 x 240-pin DDR2 DIMM max. up to 4 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB
Chipset	Intel® 945GME + ICH7M/-DH	Intel® GME965 + ICH8M
Serial	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
Display	1 x VGA	1 x VGA
Audio	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
LPT	N/A	N/A
PS/2	2 x PS/2 keyboard/mouse	2 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/100Mbps Ethernet	2 x 10/100/100Mbps Ethernet
USB	6 x USB 2.0	6 x USB 2.0
Expansion Interface	1 x PCIe x16	1 x PCIe x16
Storage	1 x 2.5" HDD	1 x 2.5" HDD
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	250W ATX 90 ~ 264VAC	250W ATX 90 ~ 264VAC
Operating Temperature	0°C ~ +45°C (32°F ~ 113°F) (with W.T. HDD)	0°C ~ +45°C (32°F ~ 113°F) (with W.T. HDD)
Wall Mount	Yes	Yes
DIN-rail	N/A	N/A
Dimensions (W x D x H)	300 x 210 x 104.5 mm (11.81" x 8.27" x 4.11")	300 x 210 x 104.5 mm (11.81" x 8.27" x 4.11")
Weight (net/gross)	6.3 kg (13.89 lb)/8 kg (17.64 lb)	6.3 kg (13.89 lb)/8 kg (17.64 lb)
Certification	CE	CE
EOS Support	XPE, WinCE, Linux	XPE, WinCE, Linux

Embedded Systems for Transportation



Features\Models	tBOX311-820-FL	tBOX320-852-FL	eBOX310-830-FL
CPU Level	Intel® Atom™ Z510PT (1.1 GHz)/ Z520PT (1.6 GHz)	Intel® SP9300 (2.26 GHz)/ Celeron® M 723 (1.2 GHz)	Intel® Core™2 Duo/ Core™ Duo/ Core™ Solo/ Celeron® M up to 2.33 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	Onboard DDR3-800/1066 2 GB DRAM	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
Chipset	Intel® US15WPT core logic	Intel® GM/GL45 + ICH9M	Intel® 945GME + ICH7M
Serial	1 x isolated RS-232/422/485 (COM 1)	4 x isolated RS-232/422/485 (COM 1/2/3/4)	1 x RS-232/422/485 (COM 1) 2 x RS-232 (COM 2/3)
CAN bus	1 x CAN bus	N/A	
Display	2 x VGA	1 x VGA 1 x DVI-D	1 x DVI-I
Audio	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)	1 x Audio (Line-in/Line-out)
LPT	N/A	N/A	N/A
PS/2	N/A	N/A	1 x PS/2 keyboard/mouse
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet (M12 type for 10/100Mbps)	2 x 10/100/1000Mbps Ethernet
USB	4 x USB 2.0	4 x USB 2.0	2 x USB 2.0
DIO	Isolated DIO (4-IN & 4-OUT)	1 x isolated DIO (6-IN & 2-OUT)	N/A
Expansion Interface	3 x PCI Express Mini Card 1 x SIM slot	2 x PCI Express Mini Card 1 x SIM slot	2 x PCI Express Mini Card 1 x SIM slot
Storage	1 x 2.5" HDD/SSD 1 x CompactFlash™	2 x 2.5" HDD/SSD 1 x CompactFlash™	1 x 2.5" HDD/SSD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	80W intelligent vehicle power supply	Wide range DC-in (12VDC-32VDC), default rating as +24V	80W intelligent vehicle power supply
Operating Temperature	-40° C ~ +65° C (-40° F ~ +149° F) (with W.T. HDD)	-25° C ~ +55° C (-13° F ~ +131° F) (with W.T. HDD)	-15° C ~ +50° C (5° F ~ 122° F) (with W.T. HDD)
Extended Temperature Sorting	N/A	N/A	N/A
Wall Mount	Yes	Yes	Yes
Din-rail	N/A	N/A	Yes
Dimensions (W x D x H)	244 x 185.4 x 70.4 mm (9.6" x 7.3" x 2.77")	288 x 211 x 85.7 mm (11.33" x 8.3" x 3.37")	205 x 250 x 56 mm (8.07" x 9.84" x 2.2")
Weight (net/gross)	TBD	TBD	3 kg (6.61 lb)/3.8 kg (8.37 lb)
Certification	CE, e13, ISO-7637 (Applying)	CE, EN50155, EN50121 (Applying)	CE, e13, ISO-7637
EOS Support	XPE, CE, Linux	XPE, CE, Linux	XPE

DIN-rail Embedded Systems



Features\Models	rBOX100	rBOX101-4COM	rBOX101-6COM
CPU Level	Intel® Atom™ Z510PT 1.1 GHz/ Z520PT 1.33 GHz	Intel® Atom™ Z510PT 1.1 GHz/ Z520PT 1.33 GHz	Intel® Atom™ Z510PT 1.1 GHz/ Z520PT 1.33 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
Chipset	Intel® US15WPT	Intel® US15WPT	Intel® US15WPT
Serial	2 x RS-232/422/485 (COM 1/2)	4 x isolated RS-232/422/485 (COM 1 - 4)	6 x isolated RS-232/422/485 (COM 1 - 6)
CAN Bus	N/A	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA
PS/2	N/A	N/A	N/A
Ethernet	1 x 10/100Mbps Ethernet 1 x 10/100/1000Mbps Ethernet	1 x 10/100Mbps Ethernet 1 x 10/100/1000Mbps Ethernet	1 x 10/100Mbps Ethernet 1 x 10/100/1000Mbps Ethernet
PoE	N/A	N/A	N/A
DIO	1 x isolated DIO (8-IN/OUT)	N/A	1 x isolated DIO (4-IN/OUT)
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Storage	1 x CompactFlash™ 1 x SD card (optional)	1 x CompactFlash™ 1 x SD card (optional)	1 x CompactFlash™ 1 x SD card (optional)
Watchdog Timer	2 WDT WDT 1: 1 sec, 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1sec, 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1sec, 255 levels WDT 2: 250 ms, 255 levels
Power Input	2 power paths 12-48VDC (terminal block)	2 power paths 12-48VDC (terminal block)	2 power paths 12-48VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Din-rail Mounting	Yes	Yes	Yes
Dimensions	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	100.6 x 110 x 135 mm (3.96" x 4.33" x 5.31")
Weight (net/gross)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.9 kg (4.18 lb)/ 2.24 kg (4.93 lb)
Certification	CE/FCC, UL508, EN61000, IEC60068	CE	CE
Compliance	UL/cUL60950-1	FCC, UL/cUL60950-1, UL508, EN61000, IEC60068	FCC, UL/cUL60950-1, UL508, EN61000, IEC60068
EOS Support	XPE, WinCE, Linux, Windows® 7	XPE, WinCE, Linux, Windows® 7	XPE, WinCE, Linux, Windows® 7
AXView Monitoring Software Package Supported	Yes	Yes	Yes



Features\Models	rBOX103	rBOX104	rBOX200
CPU Level	Intel® Atom™ Z510PT 1.1 GHz/ Z520PT 1.33 GHz	Intel® Atom™ Z510PT 1.1 GHz/ Z520PT 1.33 GHz	AMD LX800
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR400 SO-DIMM max. up to 1 GB
Chipset	Intel® US15WPT	Intel® US15WPT	AMD C55536AF
Serial	2 x RS-232/422/485 (COM 1/2)	2 x RS-232/422/485 (COM1/2)	2 x RS-232/422/485 (COM1/2)
CAN Bus	2 x isolated CAN 2.0 A/B	N/A	N/A
Display	1 x VGA	1 x VGA	1 x VGA
PS/2	N/A	N/A	N/A
Ethernet	1 x 10/100Mbps Ethernet 1 x 10/100/1000Mbps Ethernet	1 x 10/100/1000Mbps Ethernet	2 x 10/100Mbps Ethernet
PoE	N/A	4 x PoE (IEEE802.3af)	N/A
DIO	N/A	N/A	1 x isolated DIO (8-IN/OUT)
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Storage	1 x CompactFlash™ 1 x SD card (optional)	1 x CompactFlash™ 1 x SD card (optional)	1 x CompactFlash™
Watchdog Timer	2 WDT WDT 1: 1sec, 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1 sec, 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1 sec, 255 levels WDT 2: 250 ms, 255 levels
Power Input	2 power paths 12-48VDC (terminal block)	2 power paths 48VDC (terminal block)	2 power paths 12-48VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Din-rail Mounting	Yes	Yes	Yes
Dimensions	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")
Weight (net/gross)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.38 kg (3 lb)/1.72 kg (3.78 lb)
Certification	CE	CE/FCC, EN61000, IEC60068	CE
Compliance	FCC, UL/cUL60950-1, UL508, EN61000, IEC60068	UL/cUL 60950-1, UL508	FCC, UL/cUL 60950-1, UL508, EN61000, IEC60068
EOS Support	XPE, WinCE, Linux, Windows® 7	XPE, WinCE, Linux, Windows® 7	XPE, WinCE, Linux
AXView Monitoring Software Package Supported	Yes	Yes	Yes

DIN-rail Embedded Systems



Features\Models	rBOX201-4COM	rBOX201-6COM
CPU Level	AMD LX800	AMD LX800
System Memory	1 x 200-pin DDR400 SO-DIMM max. up to 1 GB	1 x 200-pin DDR400 SO-DIMM max. up to 1 GB
Chipset	AMD CS5536AF	AMD CS5536AF
Serial	4 x isolated RS-232/422/485 (COM 1 ~ 4)	6 x isolated RS-232/422/485 (COM 1 ~ 6)
CAN Bus	N/A	N/A
Display	1 x VGA	1 x VGA
PS/2	N/A	N/A
Ethernet	2 x 10/100Mbps Ethernet	2 x 10/100Mbps Ethernet
PoE	N/A	N/A
DIO	N/A	1 x isolated DIO (4-IN/OUT)
USB	2 x USB 2.0	2 x USB 2.0
Storage	1 x CompactFlash™	1 x CompactFlash™
Watchdog Timer	2 WDT WDT 1: 1sec, 255 levels WDT 2: 250 ms, 255 levels	2 WDT WDT 1: 1sec, 255 levels WDT 2: 250 ms, 255 levels
Power Input	2 power paths 12-48VDC (terminal block)	2 power paths 12-48VDC (terminal block)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	-40°C ~ +70°C (-40°F ~ +158°F)
Din-rail Mounting	Yes	Yes
Dimensions	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	100.6 x 110 x 135 mm (3.96" x 4.33" x 5.31")
Weight (net/gross)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.9 kg (4.18 lb)/ 2.24 kg (4.93 lb)
Certification	CE	CE
Compliance	FCC, UL/cUL60950-1, UL508, EN61000, IEC60068	FCC, UL/cUL60950-1, UL508, EN61000, IEC60068
EOS Support	XPE, WinCE, Linux	XPE, WinCE, Linux
AXView Monitoring Software Package Supported	Yes	Yes



Features\Models	rBOX204	ICO-200
CPU Level	AMD LX800	AMD LX800
System Memory	1 x 200-pin DDR400 SO-DIMM max. up to 1 GB	1 x 200-pin DDR400 SO-DIMM max. up to 1 GB
Chipset	AMD C55536AF	AMD C55536AD
Serial	2 x RS-232/422/485 (COM1/2)	1 x RS-232 (COM1) 1 x RS-232/422/485 (COM2)
CAN Bus	N/A	N/A
Display	1 x VGA	1 x VGA
PS/2	N/A	1 x PS/2 keyboard/mouse
Ethernet	1 x 10/100Mbps Ethernet	2 x 10/100Mbps Ethernet
PoE	4 x PoE (IEEE802.3af)	N/A
DIO	N/A	N/A
USB	2 x USB 2.0	2 x USB 2.0
Storage	1 x CompactFlash™	1 x CompactFlash™
Watchdog Timer	2 WDT WDT 1: 1 sec, 255 levels WDT 2: 250 ms, 255 levels	1 WDT Reset supported, 255 levels
Power Input	2 power paths 48VDC (terminal block)	24VDC (DC jack)
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)	0°C ~ +50°C (32°F ~ 122°F)
Din-rail Mounting	Yes	Yes
Dimensions	81 x 110 x 135 mm (3.18" x 4.33" x 5.31")	160.5 x 111.8 x 53.35 mm (6.32" x 4.40" x 2.10")
Weight (net/gross)	1.38 kg (3 lb)/1.72 kg (3.78 lb)	1.2 kg (2.64 lb)/1.92 kg (4.23 lb)
Certification	CE	CE
Compliance	FCC, UL/cUL 60950-1, UL508, EN61000, IEC60068	N/A
EOS Support	XPE, WinCE, Linux	XPE, WinCE, Linux
AXView Monitoring	Yes	N/A
Software Package Supported		

Industrial Barebone Systems



Features\Models		IPC120	IPC121
Form Factor		1U	1U
System	CPU Level	Intel® Core™2 Duo E6400/E4300/E2160	Intel® Core™2 Quad E6400/E4300/E2160 Intel® Core™2 Quad Q9400
	Max. Speed	2.13 GHz	2.66 GHz
	Front Side Bus	533/800/1066 MHz	800/1066/1333 MHz
	Chipset	Intel® Q965 + ICH8	Intel® Q45 + ICH10-DO
Expansion Interface (via riser card)	PCI	1 x Full-height/ Half-length 32-bit PCI	1 x Half-length 32-bit PCI
	PCIe	N/A	1 x Full-length PCIe
Memory	Technology	2 x DDR2 533/667/800 MHz	4 x DDR3 800/1066 MHz
	Max. Capacity	Up to 8 GB	Up to 8 GB
	Socket	4 (240-pin)	4 (240-pin)
Graphics	Controller	Integrated in Intel® Q965 GMCH	Integrated in Intel® Q45 GMCH
	VRAM	Max. up to 256 MB frame buffer sharing system memory	Max. up to 256 MB frame buffer sharing system memory
Storage	Drive Capacity	2 x 3.5" HDD (internal)	2 x 3.5" HDD (hot-swappable tray)
Ethernet	Interface	10/100/1000Mbps	10/100/1000Mbps
	Controller	Realtek RTL8111B	1st port: Intel® 82574L 2nd port: Intel® 82567LM
	Connector	2 x RJ-45	2 x RJ-45
I/O	Serial	1 x RS-232/422/485	1 x RS-232/422/485
	LPT	1	1
	Audio	MIC-in/Line-out	MIC-in/Line-out
	USB	4 x USB 2.0 (rear panel)	4 x USB 2.0 (rear panel)
	VGA	1 x VGA	1 x VGA
	PS/2	1 x PS/2 keyboard 1 x PS/2 mouse	1 x PS/2 keyboard 1 x PS/2 mouse
	Power Supply	ATX 270W	ATX 250W
Operating Temperature		0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
Dimensions (W x D x H)		482 x 430 x 44 mm (19" x 16.93" x 1.73")	473.5 x 440 x 44 mm (19" x 17.32" x 1.75")
Weight (net/gross)		9.8 kg (21.6 lb)/10.8 kg (23.81 lb)	9.8 kg (21.6 lb)/10.8 kg (23.81 lb)
Certification		CE	CE



Features/Models	IPC910H	IPC912-211-FL	IPC912-211-FL-CAN
CPU Level	Socket M Intel® Core™2 Duo/ Core™ Duo/ Celeron® M	Socket P (478-pin) Intel® Core™2 Duo/ Celeron® M	Socket P (478-pin) Intel® Core™2 Duo/ Celeron® M
System Memory	2 x 200-pin DDR2 SODIMM max. up to 4 GB	2 x 204-pin DDR3 SODIMM max. up to 8 GB	2 x 204-pin DDR3 SODIMM max. up to 8 GB
Chipset	Intel® 945GME + ICH7M-DH	Intel® GM45 + ICH9M	Intel® GM45 + ICH9M
Serial	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	2 x RS-232 (COM 3/4) 1 x RS-232/422/485 (COM 1) 1 x CAN bus module
Display	1 x VGA	1 x VGA	1 x VGA
Audio	N/A	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
PS/2	1 x PS/2 keyboard/mouse	N/A	N/A
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet
USB	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0
Expansion Interface	1 PCIe x1 & 1 PCIe x4 or 2 PCIe x1 or 1 PCI & 1 PCIe x4	1 PCIe x1 & 1 PCIe x4 or 2 PCIe x1 or 1 PCI & 1 PCIe x4 or 1 PCIe x4 & 1 PCI-X	1 PCIe x1 & 1 PCIe x4 or 2 PCIe x1 or 1 PCI & 1 PCIe x4 or 1 PCIe x4 & 1 PCI-X
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	120W ATX 18 ~ 28VDC	150W ATX 10 ~ 30VDC	150W ATX 10 ~ 30VDC
Operating Temperature	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
Dimensions (W x D x H)	188 x 241.2 x 150.4 mm (7.4" x 9.48" x 5.9")	142 x 248 x 185 mm (5.6" x 9.8" x 7.3")	142 x 248 x 185 mm (5.6" x 9.8" x 7.3")
Weight (net/gross)	6 kg (13.22 lb)/ 6.2 kg (13.67 lb)	4.22 kg (9.28 lb)/ 5.3 kg (11.68 lb)	4.22 kg (9.28 lb)/ 5.3 kg (11.68 lb)
Certification	CE	CE	CE
EOS Support	XPE	XPE	XPE

Industrial Barebone Systems



Features/Models	IPC914-210-FL	IPC914-211-FL	IPC916-211-FL
CPU Level	Socket M Intel® Core™2 Duo/ Core™ Duo/ Celeron® M	Socket P (478-pin) Intel® Core™2 Duo/ Celeron® M	Socket P (478-pin) Intel® Core™2 Duo/ Celeron® M
System Memory	2 x 200-pin DDR2 SODIMM max. up to 4 GB	2 x 204-pin DDR3 SODIMM max. up to 8 GB	2 x 204-pin DDR3 SODIMM max. up to 8 GB
Chipset	Intel® 945GME + ICH7M-DH	Intel® GM45 + ICH9M	Intel® GM45 + ICH9M
Serial	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1)	3 x RS232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
Display	1 x VGA	1 x VGA	1 x VGA
Audio	N/A	1 x Audio (Mic-in/Line-out)	1 x Audio (Mic-in/Line-out)
PS/2	N/A	N/A	N/A
Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet	2 x 10/100/1000Mbps Ethernet
USB	2 x USB 2.0	6 x USB 2.0	2 x USB 2.0
Expansion Interface	4 PCI or 2 PCI & 1 PCIe x1 & 1 PCIe x16	4 PCI or 2 PCI & 1 PCIe x1 & 1 PCIe x16	2 PCI & 3 PCIe x1 & 1 PCIe x16
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™	2 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	150W ATX 10 ~ 30VDC	150W ATX 10 ~ 30VDC	150W ATX 10 ~ 30VDC
Operating Temperature	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)
Wall Mount	Yes	Yes	Yes
Dimensions (W x D x H)	182 x 248 x 185 mm (7.2" x 9.8" x 7.3")	182 x 248 x 185 mm (7.2" x 9.8" x 7.3")	212 x 248 x 185 mm (8.4" x 9.8" x 7.3")
Weight (net/gross)	5 kg (11.02 lb)/6.4 kg (14.1 lb)	5 kg (11.02 lb)/6.4 kg (14.1 lb)	5.68 kg (12.52 lb)/6.8 kg (15.04 lb)
Certification	CE	CE	CE
EOS Support	XPE	XPE	XPE



Features/Models	IPC922-212-FL	IPC924-212-FL
CPU Level	Intel® Atom™ D425/ D525	Intel® Atom™ D425/ D525
System Memory	1 x 204-pin DDR3 800 SODIMM max. up to 4 GB	1 x 204-pin DDR3 800 SODIMM max. up to 4 GB
Chipset	Intel® ICH8M	Intel® ICH8M
Serial	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)	3 x RS-232 (COM 2/3/4) 1 x RS-232/422/485 (COM 1)
Display	1 x VGA	1 x VGA
Audio	1 x Audio (Mic-in/Line out)	1 x Audio (Mic-in/Line out)
PS/2	N/A	N/A
Ethernet	1 X 10/100/1000Mbps Ethernet	1 X 10/100/1000Mbps Ethernet
USB	6 X USB 2.0	6 X USB 2.0
Expansion Interface	1 PCIe x1 & 1 PCIe x4 or 2 PCIe x1 or 1 PCI & 1 PCIe x4 or 1 PCIe x4 & 1 PCI-X	4 PCI or 2 PCI & 1 PCIe x1 & 1 PCIe x16
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Power Supply	120W ATX 18 ~ 28VDC	150W ATX 10 ~ 30VDC
Operating Temperature	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)	0°C ~ +45°C (23°F ~ 113°F) (with W.T. HDD)
Wall Mount	Yes	Yes
Dimensions (W x D x H)	118 x 248 x 185 mm (4.6" x 9.8" x 7.3")	158 x 248 x 185 mm (6.2" x 9.8" x 7.3")
Weight (net/gross)	4.22 kg (9.28 lb)/ 5.3 kg (11.68 lb)	3.88 kg (8.55 lb)/ 4.86 kg (10.71 lb)
Certification	CE	CE
EOS Support	XPE	XPE

Embedded MicroBoxes



Features/Models		EM60323	EM1611S	EM60320I
Accessory Specifications	Drive Bay	1 x 2.5"	1 x 2.5"	1 x 3.5" (Default)
	Expansion Slot	N/A	Refer to SBC	2 x PCI or 2 x PCIe
	Power Supply	ATX 180W (50916A24000E) Input: AC 115 - 230V Output: +3.3V @ 3A, +5V @ 16A, +12V @ 5.86A, -12V @ 0.8A, +5Vsb @ 2A	AT 72W (50966911000E) Input: AC 90 - 260V Output: +5V @ 10A, +12V @ 1.5A, 12V @ 0.3A	ATX 180W (50916A24000E) Input: AC 115 - 230V Output: +3.3V @ 3A, +5V @ 16A, +12V @ 5.86A, -12V @ 0.8A, +5Vsb @ 2A
		ATX 250W (50986624010E) Input: AC 115 - 230V Output: +3.3V @ 4A, +5V @ 6A, +12V @ 16.5A, -12V @ 0.4A, +5Vsb @ 1A	AT 72W (50968911000E) Input: DC 9 - 18V Output: +5V @ 10A, +12V @ 1.5A, -12V @ 0.3A	ATX 250W (50986624010E) Input: AC 115 - 230V Output: +3.3V @ 4A, +5V @ 6A, +12V @ 16.5A, -12V @ 0.4A, +5Vsb @ 1A
SBC Selections	3.5" Capa		SBC84620 SBC84621 SBC84710	
	Mini ITX	SBC86831 SBC86832 SBC86822 SBC86840 SBC86841 SBC86860		SBC86831 SBC86832 SBC86822 SBC86840 SBC86841 SBC86836 SBC86860
Dimensions (W x D x H)		270 x 260 x 55 mm	225 x 225 x 51 mm	335 x 250 x 88 mm

Industrial Chassis



Features/Models	AX61120TP	AX61222TP/AX61220TP	AX61221TM	AX61400
Height	1U	2U	2U	4U
Number of Slots	2	5	3	14
Backplane Selection	FAB102 ATX6022/3VP2	FAB105-V1 FAB205 ATX6022/6VP4	N/A	FAB100, FAB101, FAB112, FAB113, FAB114, FAB118 ATX6022/14, ATX6022/14D ATX6022/14G, ATX6022/13L ATX6022/14GP7
MB Support	N/A	N/A	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)
Drive Capacity	5.25" 3.5"	2 (1 slim)	2 (1 slim)	3
Cooling System	2 (1 internal)	2 (1 internal)	2 (1 internal)	2 (1 internal)
Fault Detection	3 x 4 cm	2 x 8 cm	1 x 8 cm	1 x 12 cm
Power Supply	N/A	N/A	N/A	N/A
Dimensions (W x D x H)	1U type	PS/2 type (Optional HRP for AX61220TP)	PS/2 type	PS/2 type
	482.6 x 500 x 44 mm (19" x 19.7" x 1.75")	81.4 x 450 x 88.9mm (18.95" x 17.7" x 3.5") (AX61222TP) 81.4 x 475 x 88.9mm (18.95" x 18.7" x 3.5") (AX61220TP)	482.6 x 450 x 88 mm (19" x 17.7" x 3.5")	482.6 x 450 x 177 mm (19" x 17.7" x 7")
Weight (net/gross)	9.8 kg (21.6 lb)/ 10.5 kg (23.15 lb)	8.22kg (18.12lb) / 10.26kg(22.62lb)(AX61222TP) 8.6kg (18.96lb) / 12.02kg(26.49lb)(AX61220TP)	12 kg (26.45 lb)/ 13.5 kg (29.77 lb)	15 kg (33.07 lb)/ 16.3 kg (35.94 lb)



Features/Models	AX6145	AX6156LE	AX6156LLE	AX6156E
Height	4U	4U	4U	4U
Number of Slots	14	14	14	14
Backplane Selection	FAB100 FAB101 FAB112 FAB113 FAB114 FAB118 ATX6022/14 ATX6022/14D ATX6022/14G ATX6022/13L ATX6022/14GP7	FAB100 FAB101 FAB112 FAB113 FAB114 FAB118 ATX6022/14 ATX6022/14D ATX6022/14G ATX6022/14GP7 ATX6022/13L	FAB100 FAB101 FAB112 FAB113 FAB114 FAB118 ATX6022/14 ATX6022/14D ATX6022/14G ATX6022/14GP7 ATX6022/13L	FAB100 FAB101 FAB112 FAB113 FAB114 FAB118 ATX6022/14 ATX6022/14D ATX6022/14G ATX6022/14GP7 ATX6022/13L
MB Support	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)	Yes, 12" x 9.6" (ATX)
Drive Capacity	5.25" 3.5"	2	3	3
Cooling System	2 (1 internal)	1	6 (5 internal)	1
Fault Detection	2 x 8 cm	1 x 12 cm	2 x 12 cm	1 x 12 cm
Power Supply	N/A	N/A	N/A	Yes
Dimensions (W x D x H)	PS/2 type	PS/2 type (optional HRP)	PS/2 type (optional HRP)	PS/2 type (optional HRP)
Weight (net/gross)	482.6 x 427 x 177 mm (19" x 16.8" x 7") 15 kg (33.07 lb)/ 16.3 kg (35.94 lb)	484.7 x 537.6 x 176.7 mm (19" x 21.2" x 7") 18 kg (39.68 lb)/ 19.5 kg (43 lb)	484.7 x 537.6 x 172 mm (19" x 21.2" x 7") 18.5 kg (40.78 lb)/ 20 kg (44.1 lb)	484.7 x 537.6 x 177.5 mm (19" x 21.2" x 7") 18 kg (39.68 lb)/ 19.5 kg (43 lb)

Industrial Chassis



Features/Models	AX61492	AX60552	AX60551
Height	4U	-	-
Number of Slots	20	8	8
Backplane Selection	ATX6022/20Q ATX6022/20G ATX6022/20GP18	FAB108 FAB111 FAB116 FAB208 HAB208 ATX6022/8 ATX6022/8GP7	FAB108 FAB111 FAB116 FAB208 HAB208 ATX6022/8 ATX6022/8GP7
MB Support	N/A	N/A	N/A
Drive Capacity	5.25" 3	2	1
	3.5" 2	2 (1 internal)	2 (1 internal)
Cooling System	3 x 12 cm	1 x 9 cm	1 x 9 cm
Fault Detection	N/A	N/A	N/A
Power Supply	HRP type (optional PS/2)	PS/2 type	PS/2 type
Dimensions (W x D x H)	482.6 x 680 x 177 mm (19" x 26.8" x 7")	368.8 x 407.5 x 177.3 mm (4.52" x 16.04" x 6.98")	275 x 414 x 193 mm (10.8" x 16.3" x 7.6")
Weight (net/gross)	2.3 kg (5.07 lb)/ 24.6 kg (54.24 lb)	10.5 kg (23.15 lb)/ 11.3 kg (24.92 lb)	10.9 kg (24.03 lb)/ 11.2 kg (24.67 lb)



Features/Models	AX60501	AX60530	AX6033
Height	-	-	-
Number of Slots	6	6	4
Backplane Selection	FAB105 FAB109 FAB110 HAB206 ATX6021/5 ATX6022/6	HAB206 ATX6022/6 ATX6021/5	ATX6020/4 ATX6021/4
MB Support	N/A	N/A	N/A
Drive Capacity	5.25" 1	N/A	N/A
	3.5" 2 (1 internal)	2 (1 internal)	2 (1 internal)
Cooling System	1 x 9 cm	1 x 8 cm	1 x 8 cm
Fault Detection	N/A	N/A	N/A
Power Supply	PS/2 type	1U type	Open frame
Dimensions (W x D x H)	235 x 400 x 154.7 mm (9.25" x 15.8" x 6.1")	191 x 273 x 195.7 mm (7.5" x 10.8" x 7.7")	160 x 275 x 185 mm (6.3" x 10.8" x 7.3")
Weight (net/gross)	9 kg (19.84 lb)/ 10.3 kg (22.7 lb)	5.4 kg (11.9 lb)/ 6.8 kg (15 lb)	4.5 kg (9.92 lb)/ 5.7 kg (12.57 lb)

PICMG 1.3 SHB Express Backplanes

FAB100

► 14-Slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 4
- ISA — 4
- PCIe x16 — 1
- PCIe x1 — 4



FAB101

► 14-Slot PICMG 1.3 SHB Express Full-size Backplane

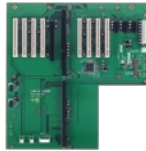
- PICMG 1.3 — 1
- PCI — 13



FAB114

► 13-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 8
- PCIe x16 — 1
- PCIe x1 — 3



FAB102

► 2-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCIe x16 — 1



FAB105

► 5-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 3
- PCIe x16 — 1



FAB108

► 8-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 3
- PCIe x1 — 3
- PCIe x16 — 1



FAB109

► 5-slot ATX-supported PICMG 1.3 Bus Passive Backplane

- PICMG 1.3 — 1
- PCIe x1 — 3
- PCIe x16 — 1



FAB110

► 5-slot ATX-supported PICMG 1.3 Bus Passive Backplane

- PICMG 1.3 — 1
- PCI — 2
- PCIe x4 — 1
- PCIe x16 — 1



PICMG 1.3 SHB Express Backplanes

FAB111

► 7-slot ATX-supported PICMG 1.3 Bus Passive Backplane

- PICMG 1.3 — 1
- PCI — 4
- PCIe x4 — 1
- PCIe x16 — 1



FAB112

► 13-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 10
- PCIe x4 — 1
- PCIe x16 — 1



FAB113

► 13-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 4
- PCIe x1 — 7
- PCIe x16 — 1



FAB116

► 8-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 3
- PCIe x4 — 3
- PCIe x16 — 1



FAB118

► 14-slot PICMG 1.3 SHB Express Full-size Backplane

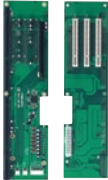
- PICMG 1.3 — 1
- PCI — 7
- PCIe x4 — 5
- PCIe x16 — 1



FAB105-V1

► 5-slot PICMG 1.3 SHB Express Full-size Backplane

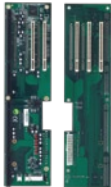
- PICMG 1.3 — 1
- PCI — 3
- PCIe x16 — 1



FAB205

► 5-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCI — 5



FAB208

► 8-slot PICMG 1.3 SHB Express Full-size Backplane

- PICMG 1.3 — 1
- PCIe x16 — 1
- PCI — 6



HAB205

- 5-slot PICMG 1.3 SHB Express Half-size Backplane
 - PICMG 1.3 — 1
 - PCI — 4



HAB206

- 5-slot PICMG 1.3 SHB Express Half-size Backplane
 - PICMG 1.3 — 1
 - PCI — 3
 - PCIe x16 — 1



HAB208

- 8-slot PICMG 1.3 SHB Express Half-size Backplane
 - PICMG 1.3 — 1
 - PCI — 6
 - PCIe x16 — 1



HAB101

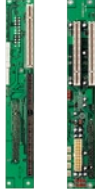
- 5-slot PICMG 1.3 SHB Express Half-size Backplane
 - PICMG 1.3 — 1
 - PCIe x1 — 3
 - PCIe x16 — 1



PICMG 1.0 Backplanes

ATX6022/3VP2

- ▶ 3-slot PICMG 1.0 Full-size Backplane
 - PICMG — 1
 - PCI — 2



ATX6022/6VP4

- ▶ 6-slot PICMG 1.0 Full-size Backplane
 - PICMG — 1
 - PCI — 4
 - ISA — 1



ATX6022/6

- ▶ 6-slot PICMG 1.0 Full-size Backplane
 - PICMG — 1
 - PCI — 4
 - ISA — 1



ATX6022/13L

- ▶ 13-slot PICMG 1.0 Full-size Backplane
 - PICMG — 1
 - PCI — 4
 - ISA — 8



ATX6022/14

- ▶ 14-slot PICMG 1.0 Full-size Backplane
 - PICMG — 1
 - PCI — 4
 - ISA — 9



ATX6022/8

- ▶ 8-slot PICMG 1.0 Full-size Backplane
 - PICMG — 1
 - PCI — 4
 - ISA — 3



ATX6020/4

- ▶ 4-slot PICMG 1.0 Half-size Backplane
 - ISA — 4



ATX6021/5

- ▶ 5-slot PICMG 1.0 Half-size Backplane
 - CPU — 1
 - PCI — 4



ATX6021/4

► 4-slot PICMG 1.0 Half-size Backplane

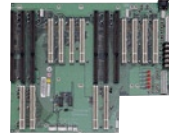
- CPU — 1
- PCI — 3



ATX6022/14D

► 14-slot PICMG 1.0 Full-size Segmented Backplane

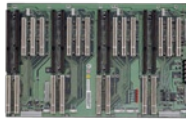
- PICMG — 1
- PCI — 4
- ISA — 2



ATX6022/20Q

► 20-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG — 1
- PCI — 3
- ISA — 1



ATX6022/14G

► 14-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG — 1
- PCI — 12
- ISA — 1



ATX6022/14GP7

► 14-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG — 1
- PCI — 7
- ISA — 6



ATX6022/20G

► 20-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG — 1
- PCI — 12
- ISA — 7



ATX6022/20GP18

► 20-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG — 1
- PCI — 18
- ISA — 1



ATX6022/8GP7

► 8-slot PICMG 1.0 Full-size Bridge Backplane

- PICMG — 1
- PCI — 7



Power Supplies



Features/Models	APS-530	APS-536	APS-543	APS-532
Type	Open Frame	Open Frame	Open Frame	Open Frame
Power Wattage	AC 70W	DC 72W	DC 72W	DC 72W
Input Requirement	VAC Full Range	36 ~ 72 VDC	18 ~ 36 VDC	9 ~ 18 VDC
Output Range	+5V, 10A (0A min) +12V, 15A (0A min) -12V, 0.3A (0A min)	+5V, 10A (0A min) +12V, 1.5A (0A min) -12V, 0.3A (0A min)	+5V, 10A (0A min) +12V, 1.5A (0A min) -12V, 0.3A (0A min)	+5V, 10A (0A min) +12V, 1.5A (0A min) -12V, 0.3A (0A min)
MTBF (hours)	50,000h	50,000h	50,000h	50,000h
Safety	Meets UL1950, CSA C22.2 NO.234,CE	Meets UL1950, CSA C22.2 NO.234,CE	Meets UL1950, CSA C22.2 NO.234,CE	Meets UL1950, CSA C22.2 NO.234,CE
Dimensions	127 x 76.2 x 29 mm	127 x 76.2 x 29 mm	127 x 76.2 x 29 mm	127 x 76.2 x 29 mm
Compatible with Axiomtek models	EM1611	EM1611	EM1611	EM1611



Features/Models	PS200-1U	PS270-1U	PS300-XP2	PS301-XP2
Type	1U Type	1U Type	PS/2 Type	PS/2 Type
Power Wattage	ATX 200W	ATX 270W	ATX 300W	ATX 300W
Input Requirement	90~264VAC Full Range	90~264VAC Full Range	Slide Switch (115 VAC/230 VAC)	90~264 VAC Full Range
Output Range	+5V, 17A +3.3V, 14A +12V1, 6A (0.5A min) +12V2, 12A -12V, 0.8A +5Vsd, 2A	+5V, 18A (0.5A min) +3.3V, 16A (0.5A min) +12V1, 16A (1A min) +12V2, 10A (1A min) -12V, 0.8A +5Vsd, 2.5A	+5V, 30/21.5A (0.5A min) +3.3V, 15/28A (0.3A min) +12V, 15A (4.2A min) -12V, 0.8A (0.4A min) -5V, 0.3A (0.15A min) +5Vsd, 2A (1A min)	+5V, 30A (0.1A min) +3.3V, 28A (0.3A min) +12V, 15A -12V, 0.8A -5V, 0.3A +5Vsd, 2A
MTBF (hours)	AT 25 °C 100,000h	AT 25 °C 100,000h	AT 25 °C 100,000h	AT 25 °C 100,000h
Safety	CB, TUV, CE, FCC, C-TICK, CUL, UL, CCC	TUV, CSA22.2 NO.60950-1, IEC, UL, NEMKO, CE	TUV, CSA22.2 NO.60950-1, IEC, UL, NEMKO+CB, CE, 3C	TUV, CSA22.2 NO.60950-1, IEC, UL, NEMKO+CB, CE, 3C
Dimensions	150 x 81.5 x 40.5 mm	150 x 81.5 x 40.5 mm	150 x 140 x 74 mm	150 x 140 x 74 mm
Compatible with Axiomtek models	AX61120, AX60530	AX61120, AX60530	AX61221, AX61222, AX60501, AX60551, AX61400, AX60552, AX6145, AX6156, AX61622, AX61492	AX61221, AX61222, AX60501, AX60551, AX60552, AX61400, AX6145, AX6156, AX61622, AX61492



Features\Models	PS400-XP2	PS500-XP2	PS300-HRP	PS400-HRP
Type	PS/2 Type	PS/2 Type	Mini Redundant Power	Mini Redundant Power
Power Wattage	ATX 400W	ATX 500W	ATX 300W	ATX 400W
Input Requirement	90-264 V _{AC} Full Range	90 - 265 V _{AC} Full Range	90 - 264 V _{AC} Full Range	90-264V _{AC} Full Range
Output Range	+5V, 20A (0.5A min) +3.3V, 20A (0.3A min) +12V1, 16A (1A min) +12V2, 16A (1A min) -12V, 0.5A +5Vsd, 2.5A (1A min)	+5V, 24A (0.3A min) +3.3V, 24A (0.5A min) +12V, 34A (1A min) +12V1, 17A (1A min) +12V2, 17A (1A min) -12V, 0.8A +5Vsd, 2.5A	+5V, 25A (3A min) +3.3V, 18A (1A min) +12V, 16A (2A min) -12V, 0.5A -5V, 0.5A +5Vsd, 2A (0.1A min)	+5V, 35A (3A min) +3.3V, 25A (1A min) +12V, 28A (2A min) -12V, 1.2A -5V, 0.5A +5Vsd, 2A (0.1A min)
MTBF (hours)	AT 25°C 100,000h	AT 25°C 100,000h	100,000h	100,000h
Safety	TUV, CSA22.2 NO.60950-1, IEC, UL, NEMKO+CB, CE	TUV, CUL, CB, IEC60950-1, GB4943-2001, UL60950-1, EN60950-1	UL, UL+C, TUV, CB, CE	UL, UL+C, TUV, CB, CE
Dimensions	150 x 140 x 74 mm	150 x 140 x 86 mm	185 x 150 x 86 mm	185 x 150 x 86 mm
Compatible with Axiomtek models	AX61221, AX61222, AX60501, AX60551, AX60552, AX61400, AX6145, AX6156, AX61622, AX61492	AX61221, AX61222, AX60501, AX60551, AX60552, AX61400, AX6145, AX6156, AX61622, AX61492	AX6156E/LE/LLE, AX61220	AX6156E/LE/LLE, AX61220



Features\Models	PS500-HRP	PS501 HRP	PS401-HRP
Type	Mini Redundant power	Mini Redundant power	PS/2*2 Redundant power
Power Wattage	ATX 500W	ATX 500W	ATX 400W
Input Requirement	100-240V _{AC} Full Range	100 - 240V _{AC} Full Range	100-240V _{AC} Full Range
Output Range	+5V, 25A (1A min) +3.3V, 25A (1A min) +12V, 41A (1A min) -12V, 0.8A +5Vsd, 3.5A (0.1A min)	+5V, 25A +3.3V, 25A +12V, 41A -12V, 0.8A +5Vsd, 3.5A	+5V, 35A (5A min) +3.3V, 28A (1A min) +12V, 20A (2.5A min) -12V, 1A -5V, 0.8A +5Vsd, 2A (0.1A min)
MTBF (hours)	At 25°C 100,000h	At 25°C 100,000h	100,000h
Safety	UL, TUV, CB, CCC, RFI/EMI Standard, FCC Class B, CISPR22, Class B	CB, CCC, UL, TUV, CE, FCC	UL, CSA, TUV, CE
Dimensions	185 x 150 x 186 mm	185 x 150 x 86 mm	183 x 167 x 187.8 mm
Compatible with Axiomtek models	AX61492	AX6156E/LE/LEE, AX61220	AX61492

Peripherals & Accessories

AX69170/AX69178

1U 17" LCD Rackmount Monitor/Keyboard Drawer with
Optional 8-port KVM

- ▶ Industrial level input device for space-critical environments
- ▶ 17" TFT LCD display supports SXGA (1280 x 1024) resolution
- ▶ Compact design, only 550mm depth
- ▶ LED display for status indicating grade
- ▶ Integrated keyboard/touchpad
- ▶ OSD function (On Screen Display) for LCD display
- ▶ Built-in power supply
- ▶ Knob lock and slide rail lock
- ▶ Tempered glass to protect LCD panel



AX7042

1U Keyboard Drawer with Touch Pad

- ▶ 19" rackmount drawer meets the EIA RS-310C standard
- ▶ Integrated keyboard
- ▶ Compact and slim size design with 107-key layout
- ▶ Windows® 98 keyboard featuring with three ACPI power saving keys
- ▶ High quality rubber-membrane key switch
- ▶ Designed touch pad for ease of operation
- ▶ Drawer standard color: Beige or Black
- ▶ Keyboard standard color: Black (English only)
- ▶ Rugged slide rail and PS/2 cable included



AX7002P

Wrist Rest Track Ball

- ▶ Compatible with IBM™ PC XT, AT PS/2
- ▶ Hardware Resolution: 400 dpi
- ▶ Tracking Speed: 500 mm/sec
- ▶ Encoder: Opto-Mechanical
- ▶ Switch: 1 million cycle life
- ▶ Total Current: Less than 8mA
- ▶ Baud Rate: 1,200 bps
- ▶ Dimensions (W x D x H): 12.4" (316 mm) x 2.4" (60 mm) x 1.4" (35 mm)



AX69150/AX69158

1U 15" LCD Rackmount Monitor/Keyboard Drawer with
Optional 8-port KVM

- ▶ Industrial level input device for space-critical environments
- ▶ 15" TFT LCD display supports XGA (1024 x 768) resolution
- ▶ Compact design, only 492mm depth
- ▶ LED display for status indicating grade
- ▶ Integrated keyboard/touchpad
- ▶ OSD function (On Screen Display) for LCD display
- ▶ Built-in power supply
- ▶ Knob lock and slide rail lock
- ▶ Tempered glass to protect LCD panel



AX7020K

Rackmount Membrane Keyboard

- ▶ 19" rackmount or desktop membrane keyboard
- ▶ 101 keys, IBM PC AT-compatible
- ▶ Dust-protected and waterproof surface
- ▶ Built-in speaker with sound upon every key stroke
- ▶ Environment-protection switch contacts and electronics
- ▶ Liquid coated polycarbonate graphics
- ▶ MTBF: 2,000,000 key strokes
- ▶ Dimensions (W x D x H): 19"(482.6mm) x 5.25"(133mm) x 1.18"(30mm)



AX93501

2-channel IEEE-1394b PCI Express Card

- ▶ Dual IEEE-1394b ports
- ▶ High speed image transferring rate up to 800Mb/s
- ▶ PCI Express x1 compliant
- ▶ Locking screw connector design



Network Appliances - Fanless Solution



Features\Models	NA-100	NA-810A	NA-813FL
Form Factor	1U, Desktop	Slim	1U, Desktop
CPU Level	AMD LX800 500 MHz	VIA Eden V4 400 MHz or Eden ULV 500 MHz	Intel® Atom™ Processor N270 1.6 GHz/512K
CPU Type	Onboard	Onboard	Onboard
Chipset	Geode CS5536AD	VIA CN700 + VT8237R+	Intel® 945GSE + ICH7M
Memory	2 x DDR 266/333 SO-DIMM max. up to 2 GB	1 x DDR2 400/533 SO-DIMM max. up to 1 GB	1 x DDR2 400/533 SO-DIMM up to 2 GB
Network Interface	4 x 10/100Mbps (Realtek 8100C)	4 x 10/100Mbps (Realtek 8100C)	4 x 10/100/1000Mbps (Intel® 82583V)
Storage Supply	1 x CompactFlash™	N/A	1 x CompactFlash™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0	2 x USB2.0
Power Supply	Power jack 12V, 5A	Power jack 12V, 5A	Power Jack 12V, 5A
VPN Security Chipset	N/A	N/A	N/A
Onboard			
LED	Power	Yes	Yes
LAN Act.,/Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes (optional)	Yes (optional)	Yes (optional)
PCI Expansion	1 x MiniPCI	N/A	1 x Mini PCIe
VGA (Pin Header)	Yes	Yes	Yes
Fanless Support	Yes	Yes	Yes
Space for Hard Disk	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
Dimensions (H x W x D)	44 x 210 x 151 mm (1.73" x 8.27" x 5.94")	30 x 210 x 157 mm (1.18" x 8.27" x 6.18")	44 x 230 x 152 mm (1.73" x 9.05" x 5.98")
Weight (net/gross)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)	2.20 kg (4.85 lb)/2.46 kg (5.42 lb)	1.5 kg (3.31 lb)/2.5 kg (5.51 lb)



Features\Models	NA-320FL	NA-340FL
Form Factor	1U, Desktop	1U, Desktop
CPU Level	Intel® Atom™ Processor D510 Dual Core 1.66 GHz	Intel® Atom™ D525 Dual Core 1.8 GHz
CPU Type	Onboard	Onboard
Chipset	Intel® ICH8-M	Intel® ICH8-M
Memory	1 x DDR2 667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)	1 x DDR3 800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC)
Network Interface	6 x 10/100/1000Mbps (Intel® 82583V), footprint compatible with Intel® 82574L	6 x 10/100/1000Mbps (Intel® 82583V), footprint compatible with Intel® 82574L
Storage Supply	1 x CompactFlash™	1 x CFast™
IO Interface	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0
Power Supply	Power Jack 12V, 5A	Power Jack 12V, 5A
VPN Security Chipset	N/A	N/A
Onboard		
LED	Power	Yes
LAN Act.,/Link	Yes	Yes
Hard Drive	Yes	Yes
Console Redirection	Yes	Yes
LAN Bypass	Yes (optional)	Yes (optional)
PCI Expansion	1 x Mini PCIe	1 x Mini PCIe
VGA (Pin Header)	Yes	Yes
Fanless Support	Yes	Yes
Space for Hard Disk	1 x 2.5" HDD	1 x 2.5" HDD
Dimensions (H x W x D)	44 x 230 x 153.5 mm (1.73" x 9.00" x 6.04")	44 x 230 x 153.5 mm (1.73" x 9.00" x 6.04")
Weight (net/gross)	1.6 kg (3.52 lb)/2.6 kg (5.73 lb)	1.6 kg (3.52 lb)/2.6 kg (5.73 lb)

Network Appliances - Fan Solution



Features/Models	NA-200A	NA-200B	NA-810B
Form Factor	1U, Desktop	1U, Desktop	1U, Desktop
CPU Level	Intel® EP80579 SoC 1.2 GHz w/o QuickAssist	Intel® EP80579 SoC 600 MHz w/ QuickAssist	VIA C7, 1 GHz
CPU Type	Onboard	Onboard	Onboard
Chipset	N/A	N/A	VIA CN700 + VT8237R+
Memory	1 x DDR2 800 SO-DIMM max. up to 2 GB (non-ECC) (default) or 1 x DDR2 800 SO-CDIMM max. up to 2 GB (with ECC) (optional)	1 x DDR2 800 SO-DIMM max. up to 2 GB (non-ECC) (default) or 1 x DDR2 800 SO-CDIMM max. up to 2 GB (with ECC) (optional)	1 x DDR2 400/533 SO-DIMM max. up to 1 GB
Network Interface	6 x 10/100/1000Mbps (Intel® 82574L, 82541PI, Marvell 88E1141)	6 x 10/100/1000Mbps (Intel® 82574L, 82541PI, Marvell 88E1141)	4 x 10/100Mbps (Realtek 8100C)
Storage Supply	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Power Supply	Power jack 12V, 5A	Power jack 12V, 5A	Power jack 12V, 5A
VPN Security Chipset	N/A	Yes, integrated into Intel® EP80579	N/A
Onboard			
LED	Yes	Yes	Yes
LAN Act./Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes	Yes	Yes (optional)
PCI Expansion	1 x MiniPCI	1 x MiniPCI	1 x MiniPCI
VGA (Pin Header)	AX92101 MiniPCI VGA module (optional)	AX92101 MiniPCI VGA module (optional)	Yes
Space for Hard Disk	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
Dimensions (H x W x D)	44 x 220 x 151 mm (1.73" x 8.66" x 5.94")	44 x 220 x 151 mm (1.73" x 8.66" x 5.94")	44 x 210 x 151 mm (1.73" x 8.27" x 5.94")
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)
Note	N/A	Supports Intel® QuickAssist technology	N/A



Features/Models	NA-811A	NA-811B	NA-812A
Form Factor	1U, Desktop	1U, Desktop	1U, Desktop
CPU Level	ULV Intel® Celeron® M 1 GHz/OK	Intel® Celeron® M/ Pentium® M	Low power Intel® Core™2 Duo/ Penryn processor/ Intel® Celeron® M 1.2 GHz (723) (default)
CPU Type	Onboard	Socket 479	Onboard
Chipset	Intel® 910GML5 + ICH6M	Intel® 915GME + ICH6M	Intel® GM45 + ICH9-1EM
Memory	2 x DDR2 400/533 SO-DIMM max. up to 2 GB	2 x DDR2 400/533 SO-DIMM max. up to 2 GB	2 x DDR3 800/1066 SO-DIMM max. up to 4 GB
Network Interface	4 x 10/100/1000Mbps (Intel® 82573L)	4 x 10/100/1000Mbps (Intel® 82573L)	6 x 10/100/1000Mbps (Intel® 82574L, 82567LM)
Storage	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Power Supply	Power jack 12V, 5A	Power jack 12V, 5A	Power jack 12V, 5A
VPN Security Chipset	N/A	N/A	N/A
Onboard			
LED	Yes	Yes	Yes
LAN Act./Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes	Yes	Yes
PCI Expansion	1 x MiniPCI	1 x MiniPCI	1 x MiniPCI
VGA (Pin Header)	Yes	Yes	Yes
Space for Hard Disk	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
Dimensions (H x W x D)	44 x 210 x 151 mm (1.73" x 8.27" x 5.94")	44 x 210 x 151 mm (1.73" x 8.27" x 5.94")	44 x 221 x 151 mm (1.73" x 8.7" x 5.94")
Weight (net/gross)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Note	N/A	N/A	Supports Intel® AMT 4.0



Features\Models	NA-813	NA-320	NA-340
Form Factor	1U, Desktop	1U, Desktop	1U, Desktop
CPU Level	Intel® Atom™ N270 1.6 GHz/512K	Intel® Atom™ Processor D510 Dual Core 1.66 GHz	Intel® Atom™ D525 Dual Core 1.8 GHz
CPU Type	Onboard	Onboard	Onboard
Chipset	Intel® 945GSE + ICH7-M	Intel® ICH8-M	Intel® ICH8-M
Memory	1 x DDR2 400/533 SO-DIMM max. up to 2 GB	1 x DDR2 667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)	1 x DDR3 800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC)
Network Interface	4 x 10/100/1000Mbps (Intel® 82583V)	6 x 10/100/1000Mbps (Intel® 82583V), footprint compatible with Intel® 82574L	6 x 10/100/1000Mbps (Intel® 82583V), footprint compatible with Intel® 82574L
Storage	1 x CompactFlash™	1 x CompactFlash™	1 x CFast™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Power Supply	Power jack 12V, 5A	Power Jack 12V, 5A	Power Jack 12V, 5A
VPN Security Chipset Onboard	N/A	N/A	N/A
LED	Yes	Yes	Yes
Power	Yes	Yes	Yes
LAN Act.,/Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes (optional)	Yes (optional)	Yes (optional)
PCI Expansion	1 x Mini PCIe	1 x Mini PCIe	1 x Mini PCIe
VGA (Pin Header)	Yes	Yes	Yes
Space for Hard Disk	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
Dimensions (H x W x D)	44 x 220 x 151 mm (1.73" x 8.66" x 5.94")	44 x 230 x 153.5 mm (1.73" x 9.00" x 6.04")	44 x 230 x 153.5 mm (1.73" x 9.00" x 6.04")
Weight (net/gross)	1.7 kg (3.75 lb)/2.7 kg (5.95 lb)	1.3 kg (2.86 lb)/2.3 kg (5.7 lb)	1.3 kg (2.86 lb)/2.3 kg (5.7 lb)
Note	N/A	N/A	N/A

Network Appliances - Value Solution



Features/Models	NA-810C	NA-811C	NA-320R
Form Factor	1U, Rackmount	1U, Rackmount	1U, Rackmount
CPU Level	VIA C7, 1.5 GHz	Intel® Celeron® M/ Pentium® 4	Intel® Atom™ Processor D510 1.66 GHz
CPU Type	Onboard	Socket 479	Onboard
Chipset	VIA CN700 + VT8237R+	Intel® 9156GME + ICH6M	Intel® ICH8-M
Memory	1 x DDR2 400/533 SO-DIMM max. up to 1 GB	2 x DDR2 400/533 SO-DIMM max. up to 2 GB	1 x DDR2 667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)
Network Interface	4 x 10/100Mbps (Realtek 8100C)	4 x 10/100/1000Mbps (Intel® 82573L)	6 x 10/100/1000Mbps (Intel® 82583V), footprint compatible with Intel® 82574L
Storage	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Power Supply	Open frame 84W	Open frame 84W	84W open frame
VPN Security Chipset Onboard	N/A	N/A	N/A
LED			
Power	Yes	Yes	Yes
LAN Act.,/Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes (option)	Yes	Yes
PCI Expansion	1 x MiniPCI	1 x MiniPCI	1 x Mini PCIe
VGA (Pin Header)	Yes	Yes	Yes
Space for Hard Disk	2 x 2.5" HDD	2 x 2.5" HDD or 1 x 3.5" for optional	2 x 2.5" HDD or 1 x 3.5" HDD for optional
Dimensions (H x W x D)	44 x 430 x 248 mm (1.73" x 16.93" x 9.76")	44 x 430 x 248 mm (1.73" x 16.93" x 9.76")	44 x 430 x 248 mm (1.73" x 16.93" x 9.76")
Weight (net/gross)	7 kg (15.43 lb)/8 kg (17.64 lb)	7 kg (15.43 lb)/8 kg (17.64 lb)	3.2 kg (7.05 lb)/4.2 kg (9.25 lb)



Features/Models	NA-330
Form Factor	1U, Rackmount
CPU Level	Intel® Atom™ Processor D525 1.8 GHz
CPU Type	Onboard
Chipset	Intel® ICH8-M
Memory	2 x DDR3 800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC)
Network Interface	10 x 10/100/1000Mbps (Intel® 82572EI, Intel® 82583V, Intel® 82541PI)
Storage	1 x CompactFlash™
IO Interface	1 x RS-232
USB	2 x USB 2.0
Power Supply	84W open frame
VPN Security Chipset Onboard	N/A
LED	
Power	Yes
LAN Act.,/Link	Yes
Hard Drive	Yes
Console Redirection	Yes
LAN Bypass	Yes
PCI Expansion	1 x Mini PCIe
VGA (Pin Header)	Yes
Space for Hard Disk	2 x 2.5" HDD or 3.5 HDD for optional
Dimensions (H x W x D)	44 x 430 x 255 mm (1.73" x 16.93" x 10.03")
Weight (net/gross)	8.2 kg (17.64 lb)/9.8 kg (16.93 lb)

Network Appliances - Mainstream Solution



Features\Models	NA-710	NA-812B	NA-820
Form Factor	1U, Rackmount	1U, Rackmount	1U, Rackmount
CPU Level	LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad/ Celeron® processor	Low power Intel® Core™2 Duo up to 2.26 GHz	Intel® Pentium® 4/ Pentium® D/ Core™2 Duo
CPU Type	LGA775	SFF & BGA	LGA775
Chipset	Intel® G41	Intel® GM45 + ICH9-IEM	Intel® 945G + ICH7R
Memory	2 x DDR3 800/1066 DIMM max. up to 4 GB (2 x 2 GB) (unbuffered non-ECC)	2 x DDR3 800/1066 SO-DIMM max. up to 4 GB	2 x DDR2 533/667 DIMM max. up to 4 GB
Network Interface	6 x 10/100/1000Mbps (w/ PCIe x8 slot default) or 7 10/100/1000Mbps (w/o PCIe x8 slot)	6 x 10/100/1000Mbps (Intel® 82574L)	7 x 10/100/1000Mbps (Intel® 82573L)
Storage	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Power Supply	270W ATX	Open frame 84W	270W ATX
VPN Security Chipset Onboard	Cavium 1005 for optional	N/A	N/A
Power	Yes	Yes	Yes
LED	Yes	Yes	Yes
LAN Act.,/Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes	Yes	Yes
PCI Expansion	1 x MiniPCI, 1 x PCIe x8	1 x MiniPCI	1 x MiniPCI, 1 x PCI
VGA (Pin Header)	Yes	Yes	Yes
Space for Hard Disk	2 x 2.5" HDD or 1 x 3.5" HDD for optional	2 x 2.5" HDD or 1 x 3.5" for optional	1 x 2.5" HDD
Dimensions (H x W x D)	44 x 430 x 394.4 mm (1.73" x 16.93" x 15.52")	44 x 430 x 248 mm (1.73" x 16.93" x 9.76")	44 x 427.8 x 301 mm (1.73" x 16.84" x 11.85")
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)	7 kg (15.43 lb)/8 kg (17.64 lb)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Note	N/A	Supports Intel® AMT 4.0	N/A



Features\Models	NA-820L	NA-510	NA-560
Form Factor	1U, Rackmount	1U, Rackmount	1U, Rackmount
CPU Level	Intel® Pentium® 4/ Pentium® D/ Core™2 Duo	Intel® Clarkdale i5-660/i3-540/ G6960, Lynnfield i7-860/i5-750	Intel® Core™ i7/i5/i3, Pentium® G850, Celeron® G540, Ivy Bridge processors
CPU Type	LGA775	LGA1156	LGA1155
Chipset	Intel® 945GC + ICH7R	Intel® Q57	Intel® H61/ B65/ Q67
Memory	2 x DDR2 533/667 DIMM max. up to 4 GB	2 x DDR3 800/1066/1333 DIMM max. up to 8 GB (unbuffered non-ECC)	4 x DDR3 1333 DIMM socket dual channel max. up to 8 GB unbuffered non-ECC/ECC memory
Network Interface	4 x 10/100/1000Mbps (Intel® 82573L)	8 x 10/100/1000Mbps (Intel® 82574L, 82578DM)	6 x 10/100/1000Mbps Ethernet (H61 PCH)/8 x 10/100/1000Mbps Ethernet (B65/Q67 PCH) (Intel® 82574L (default)/ Intel® 82583V (optional))
Storage	1 x CompactFlash™	1 x CompactFlash™	1 x CFast™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	2 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Power	270W ATX	270W ATX	270W ATX
VPN Security Chipset Onboard	N/A	N/A	N/A
Power	Yes	Yes	Yes
LED	Yes	Yes	Yes
LAN Act.,/Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes	Yes	Yes
PCI Expansion	1 x MiniPCI, 1 x PCI	1 x MiniPCI, 1 x PCIe x8	1 x Mini PCIe
VGA (Pin Header)	Yes	N/A	Yes
Space for Hard Disk	1 x 2.5" HDD	2 x 2.5" HDD or 1 x 3.5" HDD for optional	2 x 2.5" HDD or 1 x 3.5" HDD for optional
Dimensions (H x W x D)	44 x 427.8 x 301 mm (1.73" x 16.84" x 11.85")	44 x 430 x 394.4 mm (1.73" x 16.93" x 15.52")	44 x 430 x 392.26 mm (1.73" x 16.92" x 15.44")
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)	8.2 kg (17.64 lb)/9.8 kg (21.61 lb)	8.2 kg (17.64 lb)/9.8 kg (21.61 lb)
Note	N/A	Supports Intel® AMT 6.0	N/A

Network Appliances - Performance Solution



Features/Models	NA-822	NA-821	NA-550
Form Factor	1U, Rackmount	1U, Rackmount	1U, Rackmount
CPU Level	Intel® Core™2 Duo/ Celeron® 440	Intel® Core™2 Quad/ Core™2 Duo up to FSB 1333 MHz	Intel® Core™ i7/ i5/ i3/ Xeon® E3 processors (Sandy Bridge) Max 95 watt LGA1155
CPU Type	LGA775	LGA775	LGA1155
Chipset	Intel® 3210 + ICH9R	Intel® Q35 + ICH9DO	Intel® C206
Memory	2 x DDR2 533/667 DIMM max. up to 4 GB (unbuffered non-ECC)	2 x DDR2 667/800 DIMM max. up to 4 GB	4 x DDR3 1333 DIMM socket dual channel max. up to 16 GB unbuffered non-ECC/ECC memory
Network Interface	10 x 10/100/1000Mbps (Intel® 82574L)	10 x 10/100/1000Mbps (default), up to 11 x 10/100/1000Mbps (Intel® 82573, 82566DM, 82541PI)	14 x 10/100/1000Mbps & 2 LAN bypass segments. Up to 26 LAN ports can be expanded by LAN modules
Storage	1 x CompactFlash™	1 x CompactFlash™	1 x CFAST™
IO Interface	1 x RS-232	1 x RS-232	1 x RS-232
USB	4 x USB 2.0	2 x USB 2.0	2 x USB 2.0
Power	270W ATX	270W ATX	300W ATX
VPN Security Chipset Onboard	Yes, Cavium 1605 (optional)	N/A	N/A
LED	Yes	Yes	Yes
LAN Act./Link	Yes	Yes	Yes
Hard Drive	Yes	Yes	Yes
Console Redirection	Yes	Yes	Yes
LAN Bypass	Yes	Yes	Yes
PCI Expansion	1 x MiniPCI, 1 x PCIe x8	1 x MiniPCI, 1 x PCI	Mini PCI slot (32-bit/33MHz)
VGA (Pin Header)	AX92101 MiniPCI VGA module (optional)	Yes	Yes, VGA connector (default)
Space for Hard Disk	2 x 2.5" HDD or 1 x 3.5" HDD for optional	2 x 2.5" HDD or 1 x 3.5" for optional	1 x 2.5" HDD
Dimensions (H x W x D)	44 x 427.8 x 392 mm (1.73" x 16.84" x 15.43")	44 x 427.8 x 430 mm (1.73" x 16.84" x 16.92")	44 x 427.8 x 523 mm (1.73" x 16.84" x 20.59")
Weight (net/gross)	8.2 kg (17.64 lb)/9.8 kg (21.61 lb)	9.3 kg (20.5 lb)/10.5 kg (23.15 lb)	8.2 kg (17.64 lb)/9.8 kg (16.93 lb)
Note	N/A	1. Supports intrusion case open 2. Supports smart fan 3. Supports RAID function	N/A



Features/Models	NA-551	NA-823
Form Factor	2U, Rackmount	1U, Rackmount
CPU Level	Intel® Core™ i7/ i5/ i3/ Xeon® E3 processors (Sandy Bridge) Max 95 watt	Intel® Core™2 Quad/ Core™2 Duo
CPU Type	LGA1155	LGA775
Chipset	Intel® C206	Intel® Q35 + ICH9DO
Memory	4 x DDR3 1333 DIMM socket dual channel max. up to 16 GB unbuffered non-ECC/ECC memory	2 x DDR2 667/800 DIMM max. up to 4 GB
Network Interface	14 x 10/100/1000Mbps & 2 LAN bypass segments. Up to 26 LAN ports can be expanded by LAN modules	6 x 10/100/1000Mbps (Intel® 82573L, 82566DM)
Storage	1x CFAST™	1 x CompactFlash™
IO Interface	1 x RS-232	1 x RS-232, 1 x VGA
USB	2 x USB 2.0	2 x USB 2.0
Power	300W redundant power supply	270W ATX
VPN Security Chipset Onboard	N/A	N/A
LED	Yes	Yes
LAN Act./Link	Yes	Yes
Hard Drive	Yes	Yes
Console Redirection	Yes	Yes
LAN Bypass	Yes	Yes
PCI Expansion	Mini PCI slot (32-bit/33MHz)	1 x PCI-X 64/133 MHz
VGA (Pin Header)	Yes, VGA connector (default)	Yes, VGA connector (default)
Space for Hard Disk	2 x 3.5" HDD (hot swappable)	4 x 3.5" HDD
Dimensions (H x W x D)	88 x 430 x 500 mm (3.46" x 16.92" x 19.68")	44 x 437.5 x 650 mm (1.73" x 17.22" x 25.59")
Weight (net/gross)	14.52 kg (32.01 lb)/21.61 kg (47.64 lb)	9.14 kg (20.15 lb)/12.5 kg (27.56 lb)
Note	N/A	Supports RAID 0, 1, 5 and optional RAID 0+1 for custom requirement, hot swappable tray

Hardened Unmanaged Ethernet Switches



Features\Models	EX42000	EX43000/EX94000	EX47000	EX33000/EX95000
Interface				
Max. 10/100 BASE-TX	5	8	8	16
Max. 10/100/1000 BASE-T	-	-	-	-
Max. 100 BASE-FX	1	4	2	2
Max. 100 BASE-SFP	-	-	-	-
Max. 1000 BASE - SX/LX/BX 2	-	-	-	-
Max. 1000 BASE - SFP	-	-	-	-
PoE Ports	-	-	-	-
RS-232 Console Port	-	-	-	-
Alarm Contact	-	✓	✓	✓
Performance				
MAC Address Table Size	2048	2048	2048	4096
Packet Buffer Memory (bits)	384K	768K	448K	1.625M
Mechanical				
Casing	plastic	aluminum	aluminum	aluminum
Installation*	D	D, P, R	D, P	D, P, R
Dimensions (W x H x D)	26 x 110 x 70	50 x 110 x 145	60 x 125 x 145	75.5 x 110 x 135
Power Input				
No. of Power Input	1	2	3	3
110 - 240VAC	-	-	-	-
Terminal Block	12 - 48VDC	12 - 48VDC	12 - 48VDC	12 - 48VDC
DC Jack	-	12VDC	12VDC	12VDC
Operating Temperature				
-20°C to 60°C	✓	EX43000	-	EX33000
-40°C to 75°C	-	EX94000	✓	EX95000
Network Redundancy				
α-Ring / α-Chain	-	-	-	-
STP / RSTP / MSTP	-	-	-	-
Network Management & Control				
	-	-	-	-
Regulatory Approvals				
CE / FCC	✓	✓	✓	✓
UL508	-	-	Pending	✓
ISA12.12.01 / UL1604	-	EX94000	-	-
IEC61850-3 / IEEE1613	-	-	✓	-
EN50121-4	-	-	✓	-
UL60950	✓	✓	-	-

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting

Hardened Unmanaged Ethernet Switches



Features/Models	EX35000	EX34000/EX45000	EX49000A
Interface			
Max. 10/100 BASE-TX	-	8	16
Max. 10/100/1000 BASE-T	8	-	2
Max. 100 BASE-FX	-	2	-
Max. 100 BASE-SFP	-	-	-
Max. 1000 BASE - SX/LX/BX 2	2	-	2
Max. 1000 BASE - SFP	-	-	2
PoE Ports	-	4 (15.4W)	16 (30W)
RS-232 Console Port	-	-	-
Alarm Contact	✓	✓	✓
Performance			
MAC Address Table Size	8192	1024	4096
Packet Buffer Memory (bits)	1.125M	1M	2.25M
Mechanical			
Casing	aluminum	aluminum	metal
Installation*	D, P	D, P, R	R
Dimensions (W x H x D)	68 x 110 x 135	68 x 135 x 110	442 x 44.2 x 205
Power Input			
No. of Power Input	3	3	2
110 - 240VAC	-	-	-
Terminal Block	12 - 32VDC	48VDC	55VDC
DC Jack	12VDC	48VDC	-
Operating Temperature			
-20°C to 60°C	✓	EX34000	-
-40°C to 75°C	-	EX45000	✓
Network Redundancy			
α-Ring / α-Chain	-	-	-
STP / RSTP / MSTP	-	-	-
Network Management & Control			
	-	-	-
Regulatory Approvals			
CE / FCC	✓	✓	✓
UL508	✓	Pending	Pending
ISA12.12.01 / UL1604	-	-	-
IEC61850-3 / IEEE1613	-	-	-
EN50121-4	-	-	-
UL60950	-	-	-

Hardened Managed Ethernet Switches



Features/Models	EX61000A/ EX71000	EX63000/ EX73000	EX83000
Interface			
Max. 10/100 BASE-TX	8	16	16
Max. 10/100/1000 BASE-T	2	2	2
Max. 100 BASE-FX	4	4	4
Max. 100 BASE-SFP	4	-	-
Max. 1000 BASE - SX/LX/BX 2	2	2	2
Max. 1000 BASE - SFP	2	-	2
PoE Ports	-	-	-
RS-232 Console Port	✓	✓	✓
Alarm Contact	✓	✓	✓
Performance			
MAC Address Table Size	8192	8192	8129
Packet Buffer Memory (bits)	2M	2M	2M
Mechanical			
Casing	aluminum	aluminum	aluminum
Installation*	D, P, R	D, P	D, P
Dimensions (W x H x D)	60 x 125 x 145	65 x 125 x 145	84 x 125 x 145
Power Input			
No. of Power Input	3	3	3
110 - 240VAC	-	-	-
Terminal Block	12 - 48VDC	12 - 48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC
Operating Temperature			
-20°C to 60°C	EX61000A	EX63000	-
-40°C to 75°C	EX71000	EX73000	✓
Network Redundancy			
α-Ring / α-Chain	✓	✓	✓
STP / RSTP / MSTP	✓	✓	✓
Network Management & Control			
VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management			
Regulatory Approvals			
CE / FCC	✓	✓	✓
UL508	✓	✓	-
ISA12.12.01 / UL1604	-	EX73000	-
IEC61850-3 / IEEE1613	-	-	✓
EN50155	-	-	-
EN50121-3-2	-	-	-
EN50121-4	✓	-	✓
UL60950	-	-	-

Hardened Managed Ethernet Switches



Features/Models	EX27000/EX77000	EX87000	EX89000
Interface			
Max. 10/100 BASE-TX	24	24	24
Max. 10/100/1000 BASE-T	4	4	4
Max. 100 BASE-FX	24	24	18
Max. 100 BASE-SFP	24	24	4
Max. 1000 BASE - SX/LX/BX 2	4	4	4
Max. 1000 BASE - SFP	4	4	4
PoE Ports	-	-	-
RS-232 Console Port	✓	✓	✓
Alarm Contact	-	-	✓
Performance			
MAC Address Table Size	8129	8192	8192
Packet Buffer Memory (bits)	3M	2M	3M
Mechanical			
Casing	metal	metal	metal
Installation*	R	R	R
Dimensions (W x H x D)	Single power: 442 x 250 x 44 Dual power: 442 x 375 x 44	Single power: 442 x 284 x 44 Dual power: 442 x 375 x 44	Single power: 442 x 343 x 44
Power Input			
No. of Power Input	1 or 2	1 or 2	1
110 - 240VAC	✓	✓	✓
Terminal Block	±48VDC, 88- 370VDC	±48VDC, 88- 370VDC	±48VDC, 88- 370VDC
DC Jack	-	-	-
Operating Temperature			
-20° C to 60° C	EX27000	-	-
-40° C to 75° C	EX77000	✓	✓
Network Redundancy			
α-Ring / α-Chain	✓	✓	✓
STP / RSTP / MSTP	✓	✓	✓
Network Management & Control			
	VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management		
Regulatory Approvals			
CE / FCC	✓	✓	✓
UL508	-	-	-
ISA12.12.01 / UL1604	-	-	-
IEC61850-3 / IEEE1613	-	✓	✓
EN50155	-	-	-
EN50121-3-2	-	-	-
EN50121-4	-	✓	✓
UL60950	✓	-	-



Features/Models	EX65000	EX59400	EX74000
Interface			
Max. 10/100 BASE-TX	-	16 (M12)	6
Max. 10/100/1000 BASE-T	8	2	2
Max. 100 BASE-FX	-	-	-
Max. 100 BASE-SFP	-	-	-
Max. 1000 BASE - SX/LX/BX 2	2	2	-
Max. 1000 BASE - SFP	-	-	2
PoE Ports	-	-	4 (30W)
RS-232 Console Port	✓	M12 A-code	✓
Alarm Contact	✓	✓	-
Performance			
MAC Address Table Size	4096	8192	8192
Packet Buffer Memory (bits)	1M	2M	2M
Mechanical			
Casing	aluminum	metal	metal
Installation*	D, P	D, W	P
Dimensions (W x H x D)	65 x 125 x 145	258 x 228 x 117	200 x 134 x 150
Power Input			
No. of Power Input	3	2	1
110 - 240VAC	-	✓	-
Terminal Block	12- 32VDC	(M23) 12 - 48VDC	48 - 55VDC
DC Jack	12VDC	-	-
Operating Temperature			
-20 °C to 60 °C	✓	-	-
-40 °C to 75 °C	-	✓	✓
Network Redundancy			
α-Ring / α-Chain	✓	✓	✓
STP / RSTP / MSTP	✓	✓	✓
Network Management & Control			
	VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management		
Regulatory Approvals			
CE / FCC	✓	✓	✓
UL508	✓	-	-
ISA12.12.01 / UL1604	-	-	-
IEC61850-3 / IEEE1613	-	-	-
EN50155	-	✓	-
EN50121-3-2	-	✓	-
EN50121-4	-	-	-
UL60950	-	-	-

Hardened Managed Ethernet Switches



Features\Models	EX78000	EX76000
Interface		
Max. 10/100 BASE-TX	8	16
Max. 10/100/1000 BASE-T	2	2
Max. 100 BASE-FX	4	4
Max. 100 BASE-SFP	2	-
Max. 1000 BASE - SX/LX/BX 2	2	2
Max. 1000 BASE - SFP	2	-
PoE Ports	8 (15.4W) or 6 (30W)	16 (15.4W)
RS-232 Console Port	✓	✓
Alarm Contact	✓	✓
Performance		
MAC Address Table Size	8192	8129
Packet Buffer Memory (bits)	2M	2M
Mechanical		
Casing	aluminum	metal
Installation*	D, P	R
Dimensions (W x H x D)	71.4 x 140 x 170	442 x 205 x 44
Power Input		
No. of Power Input	3	2
110 - 240VAC	-	-
Terminal Block	48VDC	48VDC
DC Jack	48VDC	-
Operating Temperature		
-20° C to 60° C	-	-
-40° C to 75° C	✓	✓
Network Redundancy		
α-Ring / α-Chain	✓	✓
STP / RSTP / MSTP	✓	✓
Network Management & Control		
VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1x Security, SNMP (v1, v2c, v3), RMON, Web Management, Telnet Management, RS-232 Console Management		
Regulatory Approvals		
CE / FCC	✓	✓
UL508	✓	✓
ISA12.12.01 / UL1604	-	-
IEC61850-3 / IEEE1613	-	-
EN50155	-	-
EN50121-3-2	-	-
EN50121-4	-	-
UL60950	-	-

Media Converters



Features\Models	EL9020/EL9100	EL900	EL1141
Interface			
Max. 100 BASE-T	-	-	-
Max. 10/100 BASE-TX	-	1	1
Max. 1000 BASE-T	-	-	-
Max. 10/100/1000 BASE-T	1	-	-
Max. 100 BASE-FX/BX WDM	-	1	1
Max. 100 BASE-SFP	-	-	-
Max. 1000 BASE-SX/LX/BX	1	-	-
Max. 1000 BASE-SFP	EL9020	-	-
Max. PoE Ports	-	-	-
Web Management	-	-	-
Alarm Contact	✓	✓	✓
Mode of Operations			
Auto-negotiation, Auto-MDI/ MDI-X	✓	✓	✓
Flow Control	✓	✓	✓
Store & Forward	✓	✓	✓
Link Fault Pass Through	✓	✓	✓
Mechanical			
Casing	aluminum	aluminum	aluminum
Installation*	D, P, R	D, P, R	D, P, R
Dimensions (W x H x D)	50 x 110 x 135	50 x 110 x 135	50 x 110 x 135
Power Input			
No. of Power Input	3	2	3
Terminal Block	12 - 48VDC	10 - 48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC
Operating Temperature			
-5°C to 55°C	-	-	-
-10°C to 60°C	-	-	-
-40°C to 75°C	✓	✓	✓
Regulatory Approvals			
CE / FCC	✓	✓	✓
VCCI	✓	✓	✓
UL508	✓	-	✓
ISA12.12.01 / UL1604	-	✓	-
IEC61850-3	-	-	✓
EN50121-4	-	-	✓
UL/cUL 60950-1	-	✓	-

Ethernet Extenders



Features/Models	ED3101	ED3141	ED3175
Interface			
10/100 BASE-TX	1	1	8
Max. PoE Ports	-	-	-
Extension Interface			
RJ-11	1	1	2
RJ-48	-	-	-
Terminal Block	-	1	2
BNC	-	-	-
Mode of Operations			
Auto-negotiation, Auto-MDI/MDI-X	✓	✓	✓
Store & Forward	✓	✓	✓
Mechanical			
Casing aluminum metal metal	aluminum	aluminum	aluminum
Installation*	C, D, W	D, P, R	D, P, R
Dimensions (W x H x D)	80.3 x 109.2 x 23.8	50 x 110 x 135	60 x 125 x 145
Power Input			
No. of Power Input	1	3	3
Terminal Block	-	12~48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC
Operating Temperature			
-10°C to 60°C	✓	-	-
-40°C to 70°C	✓	-	-
-40°C to 75°C	-	✓	✓
Management Function			
RS-232 console Port	-	-	✓
Web Management	-	-	✓
α-Ring / α-Chain	-	-	✓
Layer 2 Features**	-	-	✓
Regulatory Approvals			
CE / FCC	✓	✓	✓
VCCI	✓	✓	✓
UL508	-	✓	-
ISA12.12.01 / UL1604	-	✓	-
IEC61850-3 / IEEE1613	-	-	-
UL/cUL 60950-1	✓	-	-
EN50121-4	-	-	-
EN50155	-	-	-

* C: Chassis, D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting

** Layer 2 Features include STP/RSTP/MSTP, VLAN, QoS, IGMP, GMRP, Bandwidth Rate Control, LACP, Port Trunking, Port Mirroring, Packet Filtering, IEEE802.1xSecurity, RMON



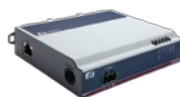
Features\Models	ED3331	ED3341	ED3344
Interface			
10/100 BASE-TX	1	1	1 (M12)
Max. PoE Ports	-	-	-
Extension Interface			
RJ-11	-	-	-
RJ-48	-	-	-
Terminal Block	-	-	-
BNC	1	1	1
Mode of Operations			
Auto-negotiation, Auto-MDI/MDI-X	✓	✓	✓
Store & Forward	✓	✓	✓
Mechanical			
Casing aluminum metal metal	aluminum	aluminum	aluminum
Installation*	C, D, W	D, P	D, P, R
Dimensions (W x H x D)	80.3 x 109.2 x 23.8	50 x 110 x 135	50 x 110 x 135
Power Input			
No. of Power Input	1	3	3
Terminal Block	-	12 - 48VDC	12 - 48VDC
DC Jack	12VDC	12VDC	12VDC
Operating Temperature			
-10°C to 60°C	✓	-	-
-40°C to 70°C	-	✓	-
-40°C to 75°C	-	-	✓
Management Function			
RS-232 console Port	-	-	-
Web Management	-	-	-
α-Ring / α-Chain	-	-	-
Layer 2 Features**	-	-	-
Regulatory Approvals			
CE / FCC	✓	✓	✓
VCCI	✓	✓	✓
UL508	✓	✓	✓
ISA12.12.01 / UL1604	-	-	-
IEC61850-3 / IEEE1613	-	-	-
UL/cUL 60950-1	-	-	-
EN50121-4	-	✓	✓
EN50155	-	✓	✓

Serial Device Servers



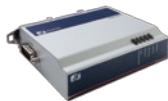
Features/Models	SE5100/SE6100	SE5300/SE6300
Ethernet Interface		
Max. 10/100 BASE-TX	1	2
Max. 100 BASE-FX	1	2
1.5KV Managetict Isolation	✓	✓
Ethernet Redundancy	-	✓
Serial Interface		
RS-232/422/485	1	4
RS-422/485	1	2
Connector Type	DB9/TB	DB9 / RJ50 / TB
ESD Protection	✓	✓
2KV Serial Line Isolation	SE6110	SE6320
Speed	50bps - 460.8kbps	50bps - 460.8kbps
Software		
Operaition Modes	TCP, UDP, Pair Connection	
COM Driver Support	Windows 2000/XP/2003	
Configuration Options	Web, Telnet Console, SNMP	
Mechanical		
Casing	aluminum	aluminum
Installation*	D, P	D, P
Dimensions (W x H x D)	70 x 110 x 30	100 x 125 x 30
Power Input		
No. of Power Input	2	3
Terminal Block	12 - 32VDC	12 - 32VDC
DC Jack	12VDC	12VDC
Operating Temperature		
0°C to 45°C	-	-
-10°C to 60°C	SE5100	SE5300
-25°C to 70°C	-	SE6300
-25°C to 75°C	SE6100	-
-34°C to 75°C	-	-
-40°C to 75°C	-	-
Regulatory Approvals		
CE / FCC	✓	✓
VCCI	✓	✓
IEC61850/IEEE1613	-	-

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting



Features\Models	FT5702	iCON-501
Ethernet Interface		
Max. 10/100 BASE-TX	2	1
Max. 100 BASE-FX	2	1
1.5KV Mangetic Isolation	✓	✓
Ethernet Redundancy	✓	-
Serial Interface		
RS-232/422/485	2	1
RS-422/485	-	-
Connector Type	DB9	DB9
ESD Protection	✓	15KV
2KV Serial Line Isolation	-	3KV
Speed	50bps - 460.8kbps	50bps - 921.6kbps
Software		
Operation Modes	Self-Healing Ring	TCP, UDP, Pair Connection
COM Driver Support	-	Windows 2000/XP/2003
Configuration Options	Console	Web, Telnet Console, SNMP
Mechanical		
Casing	aluminum	aluminum
Installation*	D, P	D, P
Dimensions (W x H x D)	100 x 125 x 30	100 x 125 x 30
Power Input		
No. of Power Input	2	2
Terminal Block	12 - 32VDC	10 - 48VDC
DC Jack	-	12VDC
Operating Temperature		
0° C to 45° C	-	-
-10° C to 60° C	✓	-
-25° C to 70° C	-	-
-25° C to 75° C	-	-
-34° C to 75° C	-	-
-40° C to 75° C	-	✓
Regulatory Approvals		
CE / FCC	✓	✓
VCCI	✓	✓
IEC61850/IEEE1613	-	✓

CAN Converters



Features\Models	iCON-101CU	iCON-101CS
CAN Interface		
Connector	DB9 (male)	
Isolation	Yes	3 Kvrms for DC-DC & photocoupler
Receive Buffer	1000 data frames	
NVRAM	64Kbyte for users define	
Max Data Flow	10000 fps	
Support Protocol	CAN 2.0A/2.0B	
Baud Rate	5k,10k, 20k, 40k, 50k, 80k, 100k,125k, 200k, 250k, 400k, 500k, 600k, 800k ,1Mbps	
Serial Interface		
RS-232/422/485	-	1
RS-422/485	-	-
Connector	-	DB9 (male)
3KV Serial Line Isolation	-	-
ESD Protection	-	15KV
Speed	-	50 bps to 921.6 Kbps
Communication Parameter	-	Paraity, None, Even, Odd, Space, Mark, Data Bits: 5, 6, 7, 8; Stop bits: 1, 1.5, 2
Flow Control	-	None, RTS/CTS, Xon/Xoff
USB Interface		
Connector	Type B	-
Support Protocol	USB 1.1/2.0	-
Receiver Buffer	128 data frames	-
Software		
CAN ID Filtering Function	Yes	
Programmable CAN Bus and UART Bit Rate	Yes	
COM Driver Support	Windows® Server 2008; 2003/Vista/2000/XP/7	
Time out for CAN Received Event	Yes	
Notification	Yes	
GUI Management Program and Programming Guide	Yes	
Casing		
Aluminum	Yes	
Dimension (W x D x H, mm)	70 x 110 x 30	
Installation		
DIN-rail Mounting	Yes	
Panel Mounting	Yes	
Wall Mounting	Yes	
Power Input		
10VDC ~ 30VDC (Terminal Block)	-	Yes
Supply by USB Interface	Yes	-
Operating Temperature		
-40℃ ~ +70℃ (-40°F ~ +158°F)	Yes	
Regulatory Approvals		
CE/FCC	Yes	
VCCI	Yes	

* D: DIN-Rail Mounting, P: Panel Mounting, R: Rack Mounting, W: Wall Mounting

Fanless Touch Panel Computers



Features/Models	GOT-5152T-830	GOT-5120T-830	GOT-5120TL-621	GOT-5100T-830
CPU Level	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N270 1.6 GHz	AMD LX800 500 MHz	Intel® Atom™ N270 1.6 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR SO-DIMM max. up to 1 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
CPU FSB Frequency	533 MHz	533 MHz	400 MHz	533 MHz
Display	15" TFT, XGA, 400 nits	12.1" TFT, XGA/SVGA, 500/450nits	12.1" TFT, SVGA, 450 nits	10.4" TFT, SVGA, 230 nits
I/O	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100Mbps 2 x USB 2.0 1 x Audio (Line-out) 1 x VGA	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD (optional) 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
FDD	N/A	N/A	N/A	N/A
CD-ROM	N/A	N/A	N/A	N/A
Expansion Interface	1 x PCIe Mini Card	1 x PCIe Mini Card	1 x MiniPCI	1 x PCIe Mini Card
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operating System	Windows® XP, XPE, 7, WinCE.NET	Windows® XP, XPE, 7, WinCE.NET	Windows® XP, XPE, WinCE.NET	Windows® XP, XPE, 7, WinCE.NET
Power Supply	10-30VDC, 35W	10-30VDC 100-240VAC, 60W adapter	24VDC	10-30VDC 100-240VAC, 60W adapter
Power Consumption	55W	55W	55W	55W
Watchdog Timer	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	387.9 x 54.6 x 307.7 mm (15.27" x 2.14" x 12.11")	327.5 x 52.5 x 262 mm (12.9" x 2.07" x 10.3")	327.5 x 51.5 x 262 mm (12.9" x 2.03" x 10.3")	292.5 x 45.8 x 235.8 mm (11.52" x 1.8" x 9.28")
Weight (net/gross)	3.2 kg (7.05 lb)	2.48 kg (5.46 lb)/ 3.84 kg (8.46 lb)	2.24 kg (4.93 lb)/ 3.67 kg (8.09 lb)	1.8 kg (3.96 lb)/ 3 kg (6.61 lb)
Operating Temperature	0°C - +50°C (32°F - 122°F)	0°C - +50°C (32°F - 122°F)	0°C - +50°C (32°F - 122°F)	0°C - +50°C (32°F - 122°F)
Wide Temperature	N/A	N/A	N/A	N/A
Certification	CE class B, UL60950-1	CE class B, UL60950-1	CE	CE class B, UL60950-1

Fanless Touch Panel Computers



Features\Models	GOT-5100TL-621	GOT-5840T-830	GOT-5840TL-621	GOT-5571TL-621
CPU Level	AMD LX800 500 MHz	Intel® Atom™ N270 1.6 GHz	AMD LX800 500 MHz	AMD LX800 500 MHz
System Memory	1 x 200-pin DDR SO-DIMM max. up to 1 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR SO-DIMM max. up to 1 GB	1 x 200-pin DDR SO-DIMM max. up to 1 GB
CPU FSB Frequency	400 MHz	533 MHz	400 MHz	400 MHz
Display	10.4" TFT, SVGA, 230 nits	8.4" TFT, SVGA, 250 nits	8.4" TFT, SVGA, 250 nits	5.7" TFT, VGA, 500 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100Mbps 2 x USB 2.0 1 x Audio (Line-out) 1 x VGA	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100/1000Mbps 2 x USB 2.0 1 x Audio (Line-out) 1 x VGA	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100Mbps 2 x USB 2.0 1 x Audio (Line-out)	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100Mbps 2 x USB 2.0 1 x Audio (Line-out)
Storage	1 x 2.5" HDD (optional) 1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™	1 x CompactFlash™
FDD	N/A	N/A	N/A	N/A
CD-ROM	N/A	N/A	N/A	N/A
Expansion Interface	1 x MiniPCI	1 x PCIe Mini Card	1 x MiniPCI	1 x MiniPCI 1 x PC/104
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operating System	Windows® XP, XPE, WinCE.NET	Windows® XP, XPE, 7, WinCE.NET	Windows® XP, XPE, WinCE.NET	Windows® XP, XPE WinCE.NET
Power Supply	24VDC	10-30VDC 100-240VAC, 60W adapter	24VDC	24VDC
Power Consumption	55W	55W	55W	55W
Watchdog Timer	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	293 x 44.6 x 236 mm (11.53" x 1.76" x 9.29")	250.7 x 45.8 x 204.7 mm (9.87" x 1.8" x 8.06")	251 x 44.6 x 205 mm (9.88" x 1.76" x 8.06")	208.5 x 59.5 x 167.3 mm (8.21" x 2.34" x 6.59")
Weight (net/gross)	1.6 kg (3.52 lb)/ 2.8 kg (6.17 lb)	1.3 kg (2.87lb)/ 2.25 kg (4.96 lb)	1.3 kg (2.87lb)/ 2.25 kg (4.96 lb)	1.3 kg (2.87 lb)/ 2 kg (4.4 lb)
Operating Temperature	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)
Wide Temperature	N/A	N/A	N/A	N/A
Certification	CE	CE class B, UL60950-1	CE	CE

Infotainment Touch Panel Computers



Features/Models	IFO2225-851-FL	IFO2225-830-FL	IFO2175-830-FL	IFO2175-850-FL
CPU Level	Socket P Intel® Core™2 Duo/ Celeron® M	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N270 1.6 GHz	Intel® Core™2 Duo/ Celeron® M
System Memory	2 x 204-pin DDR3 SO-DIMM max. up to 8 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 240-pin DDR3 SO-DIMM max. up to 4 GB
CPU FSB Frequency	667/800/1066 MHz	533 MHz	533 MHz	667/800/1066 MHz
Display	22" WSXGA+, 300 nits, 16:9	22" WSXGA+, 300 nits, 16:9	17" TFT, SXGA, 380 nits, 4:3	17" TFT, SXGA, 380 nits, 4:3
I/O	1 x RS-232/422/485 (COM 1) 2 x RS-232 (COM 2/3) 2 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Mic-in/Lin-out) 1 x VGA 1 x PCI or PCIe x4 slot	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2/3/4) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x VGA 1 x Audio (Line-out)	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2/3/4) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x VGA 1 x Audio (Line-out)	2 x RS-232 (COM 1/2) 1 x RS-232 (COM 3) 2 x 10/100/1000Mbps 2 x USB 2.0 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out) 1 x VGA
Storage	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
FDD	N/A	N/A	N/A	N/A
DVD-RW	1 x Super Multi drive (optional)	1 x Super Multi drive (optional)	1 x Super Multi drive (optional)	1 x Super Multi drive (optional)
Expansion Interface	1 x PCI or 1 x PCIe x4 (optional)	1 x Mini card	1 x Mini card	N/A
Touchscreen	Resistive type	Resistive type	Resistive type	Resistive type
Power Supply	24VDC with AC-DC adaptor	24VDC with AC-DC adaptor	12VDC with AC-DC adapter	12VDC with AC-DC adapter
Watchdog Timer	255 levels; 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	573.5 x 75.9 x 398.9 mm (22.57" x 2.98" x 15.7")	573.5 x 68.5 x 399 mm (22.58" x 2.69" x 15.71")	437.98 x 68.5 x 376.41 mm (17.24" x 2.7" x 14.81")	437.98 x 76.5 x 376.41 mm (17.24" x 3.01" x 14.81")
Weight (net/gross)	10.58 kg (23.32 lb)/ 15.16 kg (33.42 lb)	8.22 kg (18.12 lb)/ 9.87 kg (21.76 lb)	7.65 kg (16.85 lb)/ 9 kg (19.84 lb)	7.65 kg (16.85 lb)/ 9 kg (19.84 lb)
Operating Temperature	0°C - +40°C (32°F - 104°F)	0°C - +40°C (32°F - 104°F)	0°C - +40°C (32°F - 104°F)	0°C - +40°C (32°F - 104°F)
Certification	CE	CE	CE	CE

Industrial Touch Panel Computers



Features/Models	PANEL1178-841	PANEL1173-841	PANEL1158-834	PANEL1158-831
CPU Level	Intel® Core™2 Duo (LGA775)	Intel® Core™2 Duo (LGA775)	Intel® Core™2 Duo (LGA775)	Intel® Core™2 Duo (Socket M)
System Memory	2 x 240-pin DDR2 DIMM max. up to 4 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB
CPU FSB Frequency	533/667/800/1066 MHz	533/667/800/1066 MHz	533/800 MT/s	533/667 MHz
Display	17" TFT SXGA, 380 nits	17" TFT SXGA, 380 nits	15" TFT XGA, 250 nits	15" TFT XGA, 250 nits
I/O	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 1 x DVI-I 2 x IEEE 1394a 4 x USB 2.0 2 x 10/100/1000Mbps 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out)	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 1 x DVI-I 2 x IEEE 1394a 4 x USB 2.0 2 x 10/100/1000Mbps 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out)	4 x RS-232 (COM 1/2/5/6) 1 x VGA 4 x USB 2.0 2 x 10/100/1000Mbps 1 x Audio (Mic-in/Line-out/Line-in)	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 1 x VGA 2 x IEEE 1394a 4 x USB 2.0 2 x 10/100/1000Mbps 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out)
Storage	1 x 3.5" or 2 x 2.5" HDD	2 x 3.5" or 2 x 2.5" HDD	1 x 3.5" or 2 x 2.5" HDD	1 x 3.5" or 2 x 2.5" HDD
FDD	N/A	N/A	N/A	N/A
CD-ROM	N/A	1 x built-in slim type	N/A	N/A
Expansion Interface	N/A	2 x PCI	N/A	N/A
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operation System	Windows® 2000/XP/Vista	Windows® 2000/XP/Vista	Windows® 2000/XP/Vista WinCE.NET/XPE	Windows® 2000/XP/Vista WinCE.NET/XPE, Linux
Power Supply	250W, 100 - 240VAC	250W, 100 - 240VAC	180W, 100 - 240VAC	180W, 100 - 240VAC
Watchdog Timer	255 levels, 1 - 255 sec.	255 levels, 1 - 255 sec.	255 levels, 1 - 255 sec.	255 levels, 1 - 255 sec.
Dimensions (W x D x H)	450 x 86.6 x 370 mm (17.71" x 3.41" x 14.56")	450 x 150 x 370 mm (17.71" x 5.9" x 14.56")	420 x 86.4 x 335 mm (16.54" x 3.4" x 13.19")	420 x 86.4 x 335 mm (16.54" x 3.4" x 13.19")
Weight (net/gross)	6.5 kg (14.3 lb)/ 10.3 kg (22.7 lb)	7.5 kg (16.5 lb)/ 11.3 kg (24.9 lb)	5.38 kg (11.8 lb)/ 9.18 kg (20.2 lb)	5.5 kg (12.1 lb)/ 9.3 kg (20.5 lb)
Operating Temperature	0°C - +40°C (32°F - 104°F)	0°C - +40°C (32°F - 104°F)	0°C - +45°C (32°F - 113°F)	0°C - +45°C (32°F - 113°F)
Certification	CE	CE	CE	CE



Features\Models	PANEL1158-822	PANEL1153-841	PANEL1153-822	PANEL1121-841
CPU Level	Intel® Pentium® M/ Celeron® M (Socket 478)	Intel® Core™2 Duo (LGA775)	Intel® Pentium® M/ Celeron® M (Socket 478)	Intel® Core™2 Duo (LGA775)
System Memory	2 x 240-pin DDR2 DIMM max. up to 2 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB	2 x 240-pin DDR2 DIMM max. up to 2 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB
CPU FSB Frequency	400 MHz	533/667/800/1066 MHz	400 MHz	533/667/800/1066 MHz
Display	15" TFT XGA, 250 nits	15" TFT XGA, 250 nits	15" TFT XGA, 250 nits	12.1" TFT SVGA, 370 nits
I/O	5 x RS-232 (COM 1-5) 1 x VGA 4 x USB 2.0 2 x 10/100/1000Mbps 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out)	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 1 x DVI-I 2 x IEEE 1394a 4 x USB 2.0 2 x 10/100/1000Mbps 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out)	5 x RS-232 (COM 1-5) 1 x VGA 4 x USB 2.0 2 x 10/100/1000Mbps Ethernet 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out)	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 1 x DVI-I 2 x IEEE 1394a 4 x USB 2.0 2 x 10/100/1000Mbps 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out)
Storage	1 x 3.5" or 2 x 2.5" HDD	2 x 3.5" or 2 x 2.5" HDD	2 x 3.5" or 2 x 2.5" HDD	1 x 2.5" HDD
FDD	N/A	N/A	N/A	N/A
CD-ROM	N/A	1 x built-in slim type	1 x built-in slim type	N/A
Expansion Interface	N/A	2 x PCI	2 x PCI	2 x PCI
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operation System	Windows® 2000/XP/Vista	Windows® 2000/XP/Vista	Windows® 2000/XP/Vista	Windows® 2000/XP/Vista
Power Supply	180W, 100 ~ 240VAC	250W, 100 ~ 240VAC	250W, 100 ~ 240VAC	250W, 100 ~ 240VAC
Watchdog Timer	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.	255 levels, 1 ~ 255 sec.
Dimensions (W x D x H)	420 x 86.4 x 335 mm (16.54" x 5.9" x 13.19")	420 x 150 x 335 mm (16.54" x 5.9" x 13.19")	420 x 150 x 335 mm (16.54" x 5.9" x 13.19")	340 x 120 x 272mm (13.39" x 4.73" x 10.7")
Weight (net/gross)	5.5 kg (12.1 lb)/ 9.3 kg (20.5 lb)	6.6 kg (14.6 lb)/ 10 kg (22 lb)	6.56 kg (14.5 lb)/ 10 kg (22 lb)	6.3 Kg (13.9 lb)/ 8.4 kg (18.5 lb)
Operating Temperature	0°C ~ +45°C (32°F ~ 113°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
Certification	CE	CE	CE	CE

Industrial Touch Monitors



Features\Models	PANEL6192	PANEL6173	PANEL6153
Display Type	Metal front bezel (NEMA 4/12) 19" TFT SXGA	Metal front bezel (NEMA 4/12) 17" TFT SXGA	Metal front bezel (NEMA 4/12) 15" TFT XGA
Max. Colors	16.7M	16.7M	16.2M
Active Area (mm)	376.32 x 301.052	337.92 x 270.33	304.128 x 228.096
Max. Resolution	1280 x 1024	1280 x 1024	1024 x 768
Display Mode	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz) SXGA 1280 x 1024 (60/72/75Hz)	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/72/75Hz) SXGA 1280 x 1024 (60/72/75Hz)	VGA 640 x 350 (70Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75Hz) SVGA 800 x 600 (60/72/75Hz) XGA 1024 x 768 (60/70/75Hz)
Pixel Pitch (mm)	0.294 x 0.294	0.264 x 0.264	0.297 x 0.297
Backlight	4 CCFL	4 CCFL	2 CCFL
Backlight MTBF (hrs)	50,000	50,000	50,000
Viewing Angle (H/V)	178° / 178°	160° / 160°	140° / 125°
Response Time	8ms	5ms	8ms
Contrast Ratio	1300 (TYP)	800 (TYP)	700 (TYP)
Brightness (cd/m ²)	300 nits	380 nits	250 nits
Display Control	OSD	OSD	OSD
I/O Connectors	VGA, DVI, optional S-Video/Video, DC power input RS-232 or USB	VGA, DVI, optional S-Video/Video, DC power input RS-232 or USB	VGA, DVI, optional S-Video/Video, DC power input RS-232 or USB
Touchscreen	Resistive type	Resistive type	Resistive type
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	482 x 59.5 x 399 mm (18.97" x 2.34" x 15.7")	482 x 60 x 360 mm (19" x 2.36" x 14.2")	400 x 55 x 320 mm (15.75" x 2.16" x 12.6")
Weight (net/gross)	9.46 kg (20.86 lb)/13.5 kg (29.76 lb)	5.5 kg (12.12 lb)/12.7 kg (28.0 lb)	4.8 kg (10.58 lb)/8.2 kg (18.08 lb)
Operating Temperature	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)
Certification	CE	CE	CE



Features\Models	PANEL6122	PANEL6100
Display Type	Metal front bezel (NEMA 4/12)	Metal front bezel (NEMA 4/12)
Max. Colors	12.1" TFT SVGA	10.4" TFT SVGA
Active Area (mm)	16.2M/262K	16.8M/262K
Max. Resolution	246 x 184.5	211.2 x 158.4
Display Mode	800 x 600 VGA 640 x 480 (60/72Hz) SVGA 800 x 600 (60/72Hz)	800 x 600 VGA 640 x 480 (60/72Hz) SVGA 800 x 600 (60/72Hz)
Pixel Pitch (mm)	0.3075 x 0.3075	0.264 x 0.264
Backlight	2 CCFL	1 CCFL
Backlight MTBF (hrs)	50,000	30,000
Viewing Angle (H/V)	140° / 110°	140° / 120°
Response Time	35ms	35ms
Contrast Ratio	600 (TYP)	500 (TYP)
Brightness (cd/m ²)	400 nits	230 nits
Display Control	OSD	OSD
I/O Connectors	VGA, DVI, optional S-Video/Video, DC power input RS-232 or USB	VGA, DVI, optional S-Video/Video, DC power input RS-232 or USB
Touchscreen	Resistive type	Resistive type
Power Adapter	Screw-type external AC/DC power adapter	Screw-type external AC/DC power adapter
Dimensions (W x D x H)	340 x 46.5 x 260 mm (13.5" x 1.8" x 10.2")	294.2 x 46.6 x 231.2 mm (11.58" x 1.83" x 9.1")
Weight (net/gross)	3.0 kg (6.61 lb)/6.6 kg (14.55 lb)	2.6 kg (5.73 lb)/5.1 kg (11.24 lb)
Operating Temperature	-10°C ~ +55°C (14°F ~ 131°F)	-10°C ~ +60°C (14°F ~ 140°F)
Certification	CE	CE

Heavy-duty Fanless Touch Panel Computers



Features/Models	GOT-615-801	GOT-3156T-823	GOT-3156TL-830
CPU Level	Intel® Atom™ D525 1.8GHz	Intel® Atom™ Z5101PT 1.1 GHz	Intel® Atom™ N270 1.6 GHz
System Memory	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
CPU FSB Frequency	800 MHz	533 MHz	533 MHz
Display	15.6" TFT, HD (1366 x 768), 220 nits	15" TFT, XGA, 400 nits	15" TFT, XGA, 400 nits
I/O	2 x RS-232 (COM 3/4) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA	2 x RS-232 1 x RS-232/422/485 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA 2 x built-in speaker 1 x PS/2 keyboard/mouse	3 x RS-232 1 x RS-232/422/485 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA
Storage	1 x 2.5" SATA HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
FDD	N/A	N/A	N/A
CD-ROM	N/A	N/A	N/A
Expansion Interface	1 x PCIe Mini Card	1 x PCIe Mini Card (USB only)	1 x PCIe Mini Card
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operating System	Windows® XP, 7, WES, WinCE.NET	Windows® XP, XPE, WinCE.NET	Windows® XP, XPE, WinCE.NET
Power Supply	12/24VDC input	8-24VDC	12/24VDC
Power Consumption	TBD	36W	36W
Watchdog Timer	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	390 x 240 x 59.5mm (15.35" x 9.44" x 2.34")	396 x 65.9 x 312 mm (15.6" x 2.6" x 12.3")	396 x 65.9 x 312 mm (15.6" x 2.6" x 12.3")
Weight (net/gross)	TBD	5.3 kg (11.68 lb)/7.4 kg (16.31 lb)	5.3 kg (11.68 lb)/7.4 kg (16.31 lb)
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)	-20°C ~ +65°C (-4°F ~ +149°F)	-20°C ~ +55°C (-4°F ~ 131°F)
Wide Temperature	N/A	Yes	Yes
Certification	CE	CE	CE



Features\Models	GOT-3126TL-830	GOT-3106TL-830	GOT-3840TL
CPU Level	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N270 1.6 GHz	AMD LX800 500 MHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR SO-DIMM max. up to 1 GB
CPU FSB Frequency	533 MHz	533 MHz	400 MHz
Display	12.1" TFT, SVGA, 450 nits	10.4" TFT, SVGA, 400 nits	8.4" TFT, SVGA, 250 nits
I/O	3 x RS-232 1 x RS-232/422/485 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA	3 x RS-232 1 x RS-232/422/485 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 2 x 10/100Mbps 2 x USB 2.0 1 x PS/2 keyboard/mouse 1 x Audio (Line-out) 1 x VGA
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD 1 x CompactFlash™
FDD	N/A	N/A	N/A
CD-ROM	N/A	N/A	N/A
Expansion Interface	1 x PCIe Mini Card	1 x PCIe Mini Card	1 x MiniPCI 1 x PC/104
Touchscreen	5-wire resistive type	5-wire resistive type	5-wire resistive type
Operating System	Windows® XP, XPE, WinCE.NET	Windows® XP, XPE, WinCE.NET	Windows® XP, WinCE.NET, XPE
Power Supply	12/24VDC	12/24VDC	16-28VDC
Power Consumption	36W	30W	48W
Watchdog Timer	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	332 x 70.5 x 267 mm (13" x 2.77" x 10.5")	290 x 65.8 x 248 mm (11.4" x 2.6" x 9.7")	280 x 69.3 x 200 mm (11.02" x 2.73" x 7.87")
Weight (net/gross)	4.6 kg (10.14 lb)/6.4 kg (14.1 lb)	3.6 kg (7.93 lb)/5.7 kg (12.56 lb)	3.5 kg (7.7 lb)/4.2 kg (9.26 lb)
Operating Temperature	-20°C ~ +55°C (-4°F ~ 131°F)	-20°C ~ +55°C (-4°F ~ 131°F)	0°C ~ +50°C (32°F ~ 122°F)
Wide Temperature	Yes	Yes	N/A
Certification	CE	CE	CE

Heavy-duty Fanless Touch Panel Computers



Features\Models	GOT-3570T	GOT-3571T
CPU Level	AMD LX800 500 MHz	AMD LX800 500 MHz
System Memory	1 x 200-pin DDR SO-DIMM max. up to 512 MB (min. 256MB)	1 x 200-pin DDR SO-DIMM max. up to 1 GB
CPU FSB Frequency	400 MHz	400 MHz
Display	5.7" TFT, QVGA, 450 nits	5.7" TFT, VGA, 500 nits
I/O	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100Mbps 2 x USB 2.0 1 x Audio (Line-out)	1 x RS-232 (COM 2) 1 x RS-232/422/485 (COM 1) 1 x 10/100Mbps 2 x USB 2.0 1 x Audio (Line-out)
Storage	1 x CompactFlash™	1 x CompactFlash™
FDD	N/A	N/A
CD-ROM	N/A	N/A
Expansion Interface	1 x MiniPCI 1 x PC/104	1 x MiniPCI 1 x PC/104
Touchscreen	5-wire resistive type	5-wire resistive type
Operating System	WinCE.NET	Windows® XP, WinCE.NET, XPE
Power Supply	24VDC	24VDC
Power Consumption	55W	55W
Watchdog Timer	255 levels, 0~255 sec.	255 levels, 0~255 sec.
Dimensions (W x D x H)	208.5 x 59.5 x 167.3 mm (8.21" x 2.34" x 6.59")	208.5 x 59.5 x 167.3 mm (8.21" x 2.34" x 6.59")
Weight (net/gross)	1.3 kg (2.87 lb)/2 kg (4.4 lb)	1.3 kg (2.87 lb)/2 kg (4.4 lb)
Operating Temperature	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)
Wide Temperature	N/A	N/A
Certification	CE	CE



Features/Models	GOT-815R	GOT-815C	GOT-812LR
CPU Level	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N270 1.6 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
CPU FSB Frequency	533 MHz	533 MHz	533 MHz
Display	15" TFT, XGA, 800 nits (LED)	15" TFT, XGA, 800 nits (LED)	12.1" TFT, XGA, 1000 nits (LED)
I/O	2 x RS-232, 1 x RS-422/485 1 x 10/100/1000Mbps 4 x USB 2.0 1 x VGA 1 x PS/2 keyboard/mouse (optional)	2 x RS-232, 1 x RS-422/485 1 x 10/100/1000Mbps 4 x USB 2.0 1 x VGA 1 x PS/2 keyboard/mouse (optional)	2 x RS-232 (COM 1/2) 1 x 10/100/1000Mbps 2 x USB 2.0
Storage	1 x 2.5" SSD 1 x CompactFlash™	1 x 2.5" SSD 1 x CompactFlash™	1 x 2.5" SSD 1 x CompactFlash™
FDD	N/A	N/A	N/A
CD-ROM	N/A	N/A	N/A
Expansion Interface	1 x PCIe Mini Card	1 x PCIe Mini Card	1 x PCIe Mini Card
Touchscreen	5-wire resistive type	Capacitive type	5-wire low reflective resistive type
Operating System	Windows® XP, XPE, 7, WinCE.NET, Linux	Windows® XP, XPE, 7, WinCE.NET, Linux	Windows® XP, XPE, 7, WinCE.NET, Linux
Power Supply	24VDC	24VDC	12VDC/24VDC
Power Consumption	45W	45W	35W
Watchdog Timer	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	387 x 63 x 306 mm (15.23" x 2.48" x 12.04")	387 x 63 x 306 mm (15.23" x 2.48" x 12.04")	296 x 59 x 240 mm (11.65" x 2.32" x 9.45")
Weight (net/gross)	6.5 kg (14.33 lb)/9 kg (19.84 lb)	6.5 kg (14.33 lb)/9 kg (19.84 lb)	4.5 kg (9.92 lb)/6.5 kg (14.33 lb)
Operating Temperature	-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +60°C (-4°F ~ +140°F)	-20°C ~ +55°C (-4°F ~ +131°F)
Wide Temperature	Yes	Yes	Yes
Certification	CE (EN61000-6-2, EN61000-6-4)/ IEC60945/DNV2.4 (compliant)	CE (EN61000-6-2, EN61000-6-4)/ IEC60945/DNV2.4 (compliant)	CE (EN61000-6-2, EN61000-6-4)/ IEC60945/DNV2.4 (compliant)

Heavy-duty Fanless Touch Panel Computers



Features/Models	GOT-812L	GOT-808
CPU Level	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N455 1.66 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 204-pin DDR3 SO-DIMM max. up to 2 GB
CPU FSB Frequency	533 MHz	533 MHz
Display	12.1" TFT, SVGA, 450 nits	8.5" TFT, WVGA, 300 nits (LED)
I/O	2 x RS-232 (COM 1/2) 1 x 10/100/1000Mbps 2 x USB 2.0	1 x RS-232 (COM 1) 1 x 10/100/1000Mbps 2 x USB 2.0 1 x DC
Storage	1 x 2.5" SSD 1 x CompactFlash™	1 x CompactFlash™
FDD	N/A	N/A
CD-ROM	N/A	N/A
Expansion Interface	1 x PCIe Mini Card	1 x PCIe Mini Card
Touchscreen	5-wire resistive type	4-wire resistive type, capacitive type
Operating System	Windows® XP, XPE, 7, WinCE.NET, Linux	Windows® XP, XPE, 7, WinCE.NET, Linux
Power Supply	12VDC/24VDC	9-36VDC
Power Consumption	35W	35W
Watchdog Timer	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	296 x 59 x 240 mm (11.65" x 2.32" x 9.45")	TBD
Weight (net/gross)	4.5 kg (9.92 lb)/6.5kg (14.33 lb)	TBD
Operating Temperature	-20° C ~ +55° C (-4° F ~ +131° F)	-20° C ~ +55° C (-4° F ~ +131° F)
Wide Temperature	Yes	Yes
Certification	CE (EN61000-6-2, EN61000-6-4)/ IEC60945/DNV2.4 (compliant)	CE, E13

Digital Signage Solutions



Features/Models	DSB-310	DSB-300	OPS870
CPU Level	AMD G-Series T40E	Intel® Atom™ D525 1.8 GHz	Socket rPGA 988 2 nd generation Intel® Core™/ Celeron® (Ivy Bridge)
System Memory	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB	2 x 204-pin DDR3 SO-DIMM max. up to 4 GB	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB
Pluggable Engine Box	N/A	N/A	Yes
LCD Size	N/A	N/A	N/A
LCD Resolution	N/A	N/A	N/A
I/O	2 x USB 2.0 1 x RS-232 1 x VGA 1 x DisplayPort 1 x Audio (Mic-in/Line-out) 2 x 10/100/1000Mbps 1 x Mini PCIe slot	4 x USB 2.0 1 x RS-232 1 x 10/100/1000Mbps 1 x VGA 2 x Mini PCIe slot 1 x Audio (Mic-in/Line-out)	2 x USB 3.0 1 x 10/100/1000Mbps 1 x HDMI 1 x JAE TX-25
Storage	1 x 2.5" HDD 1 x CompactFlash™	1 x 2.5" HDD	1 x 2.5" SATA
Touchscreen	N/A	N/A	N/A
Power Supply	12VDC with AC-DC adapter	65W, 100 ~ 240VAC	12VDC ~ 19VDC
Dimensions (W x D x H)	186 x 49 x 116 mm (7.32" x 1.93" x 4.57")	400 x 44 x 235 mm (15.74" x 1.73" x 9.25")	180 x 120 x 30 mm (7.08" x 4.72" x 1.18")
Weight (net/gross)	TBD	3.8 kg (8.37 lb)/4.6 kg (10.14 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)
Operating Temperature	0°C ~ +45°C (32°F ~ 113°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +54°C (32°F ~ 129°F)
Certification	CE	CE	CE

Digital Signage Solutions



Features/Models	OPS861	OPS860	OFP320
CPU Level	Socket rPGA988 2 nd generation Intel® Core™/ Celeron® (Sandy Bridge)	Socket rPGA988 2 nd generation Intel® Core™/ Celeron® (Sandy Bridge)	Socket rPGA988 2 nd generation Intel® Core™/ Celeron®
System Memory	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB	1 x 204-pin DDR3 SO-DIMM max. up to 4 GB	1 x 204-pin DDR3 SO-DIMM max. up to 8 GB
Pluggable Engine Box	Yes	Yes	Yes
LCD Size	N/A	N/A	32" (1:9)
LCD Resolution	N/A	N/A	1920 x 1080
I/O	2 x USB 2.0 1 x 10/100/1000Mbps 1 x HDMI 1 x JAE TX-25	2 x USB 2.0 1 x 10/100/1000 Mbps 1 x VGA 1 x JAE TX-25	2 x USB 2.0 1 x 10/100/1000Mbps 1 x VGA or DisplayPort
Storage	1 x 2.5" SATA	1 x 2.5" HDD	1 x 2.5" HDD
Touchscreen	N/A	N/A	N/A
Power Supply	12VDC ~ 19VDC	12VDC ~ 19VDC	200W, 100 ~ 240VAC
Dimensions (W x D x H)	180 x 120 x 30mm (7.8" x 4.72" x 1.18")	180 x 120 x 30 mm (7.08" x 4.72" x 1.18")	781 x 118 x 471 mm (30.74" x 4.64" x 18.54")
Weight (net/gross)	1 kg (2.2 lb)/1.5 kg(3.3 lb)	1 kg (2.2 lb)/1.5 kg (3.3 lb)	27.1 kg (59.74 lb)/31.1 kg (68.56 lb)
Operating Temperature	0°C ~ +54°C (32°F ~ 130°F)	0°C ~ +54°C (32°F ~ 130°F)	0°C ~ +40°C (32°F ~ 104°F)
Certification	CE	CE	CE



Features/Models	OFP240-825	DSA-146	DSA-142
CPU Level	Intel® Atom™ D525 1.8 GHz	Socket P Intel® Core™2 Duo/ Celeron® M	Socket P Intel® Core™2 Duo/ Celeron® M
System Memory	2 x 240-pin DDR3 DIMM max. up to 4 GB	2 x 204-pin DDR3 SO-DIMM max. up to 8 GB	2 x 204-pin DDR3 SO-DIMM max. up to 8 GB
Pluggable Engine Box	N/A	Yes	Yes
LCD Size	24" (16:9)	46" (16:9)	42" (16:9)
LCD Resolution	1920 x 1080	1920 x 1080	1920 x 1080
I/O	4 x USB 2.0 3 x RS-232 2 x 10/100/1000Mbps 2 x PS/2 keyboard/mouse	4 x USB 2.0 1 x 10/100/1000Mbps 1 x VGA	4 x USB 2.0 1 x 10/100/1000Mbps 1 x VGA
Storage	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
Touchscreen	Surface acoustic wave (SAW) touch (optional)	Surface acoustic wave (SAW) touch /infrared (IR) touch (optional) 450W, 100-240 VAC	Infrared (IR) touch (optional)
Power Supply	19VDC, with AC-DC adaptor	1091 x 121 x 635 mm	450W, 100-240VAC
Dimensions (W x D x H)	350 x 90.8 x 587 mm (13.7" x 3.6" x 23.1")	(42.9" x 4.8" x 25") 43.7 kg (96.1lb)/ 48.6 kg (107 lb)	990 x 118 x 583 mm (38.9" x 4.65" x 22.95")
Weight (net/gross)	10.5 kg (23.1 lb)/ 12 kg (26.4 lb)	0°C ~ +40°C (32°F ~ 104°F)	35.5 kg (78.26 lb)/ 39.5 kg (87.08 lb)
Operating Temperature	0°C ~ +40°C (32°F ~ 104°F)	CE	0°C ~ +40°C (32°F ~ 104°F)
Certification	CE		CE

Digital Signage Solutions



Features\Models	DSA-132	DSH-146	DSH-142
CPU Level	LGA775 Intel® Core™2 Duo/ Celeron®	Socket P Intel® Core™2 Duo/ Celeron® M	Socket P Intel® Core™2 Duo/ Celeron® M
System Memory	2 x 240-pin DDR2 DIMM max. up to 2 GB	2 x 204-pin DDR3 SO-DIMM max. up to 8 GB	2 x 204-pin DDR3 SO-DIMM max. up to 8 GB
Pluggable Engine Box	Yes	Yes	Yes
LCD Size	32" (16:9)	46" (16:9)	42" (16:9)
LCD Resolution	1920 x 1080	1920 x 1080	1920 x 1080
I/O	4 x USB 2.0 2 x RS-232 1 x VGA 1 x DVI-D	4 x USB 2.0 1 x 10/100/1000Mbps 1 x VGA or DVI out	4 x USB 2.0 1 x 10/100/1000Mbps 1 x VGA or DVI out
Storage	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
Touchscreen	Infrared (IR) touch (optional)	Infrared (IR) touch (optional)	Infrared (IR) touch (optional)
Power Supply	270W, 110-220VAC	450W, 100-240VAC	450W, 100-240VAC
Dimensions (W x D x H)	781 x 144 x 471 mm (30.75" x 5.67" x 18.55") (DSA-132R) 781 x 134 x 471 mm (30.75" x 5.28" x 18.55") (DSA-132G)	1091 x 121 x 635 mm (42.9" x 4.8" x 25")	990 x 118 x 583 mm (38.9" x 4.65" x 22.95")
Weight (net/gross)	31 kg (68.34 lb)/ 32.5 kg (71.65 lb)	48.6 kg (107 lb)/ 53.6 kg (118.1 lb)	40.5 kg (89.3 lb)/ 44.5 kg (98.2 lb)
Operating Temperature	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
Certification	CE	CE, IP3X	CE, IP3X

Medical-grade Panel Computers



Features/Models	MPC225-851-FL	MPC175-851-FL	MPC170-831-FL
CPU Level	Socket P Intel® Core™2 Duo/ Intel® Celeron® M	Socket P Intel® Core™2 Duo/ Intel® Celeron® M	LV Intel® Core™2 Duo 1.5 GHz (L7400)/ ULV Intel® Celeron® M 1.06 GHz (423)
System Memory	2 x 204-pin DDR3 SO-DIMM max. up to 8 GB	2 x 204-pin DDR3 SO-DIMM max. up to 8 GB	2 x 240-pin DDR2 DIMM max. up to 4 GB
CPU FSB Frequency	667/800/1066 MHz	667/800/1066 MHz	533/667 MHz
Display	22" TFT, WSXGA+, 300 nits	17" TFT, SXGA, 380 nits	17" TFT, SXGA, 380 nits
I/O	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Mic-in/Lin-out) 1 x VGA 1 x PCI or PCIe x4 slot	1 x RS-232 (COM 1) 2 x 10/100/1000Mbps 2 x USB 2.0 1 x Audio (Mic-in/Lin-out) 1 x VGA 1 x PCI or PCIe x4 slot or slim type Combo	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 2 x 10/100/1000Mbps 4 x USB 2.0 2 x PS/2 keyboard/mouse 1 x Audio (Mic-in/Line-out) 1 x VGA 2 x IEEE 1394a
Storage	1 x 2.5" HDD	1 x 2.5" HDD	1 x 2.5" HDD
FDD	N/A	N/A	N/A
DVD-RW	1 x slim type combo drive (for MPC225-851-FL-AC-DVDRW)	1 x slim type combo drive (for MPC175-851-FL-AC-DVDRW)	1 x super multi drive
Expansion Interface	1 x PCI or 1 x PCIe x4 (for MPC225-851-FL-AC-PCI or MPC225-851-FL-AC-PCIe)	1 x PCI or 1 x PCIe x4 (for MPC175-851-FL-AC-PCI or MPC175-851-FL-AC-PCIe)	1 x PCI
Touchscreen	Resistive type	Resistive type	Resistive type (default COM 4)
Power Supply	External 24VDC with AC/DC medical grade power adapter	External 24VDC with AC/DC medical grade power adapter	Medical grade AC 90-264V, ATX 150W 18-36VDC, 10-5A
Watchdog Timer	255 levels; 0-255 sec.	255 levels; 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	573.5 x 75.9 x 398.9 mm (22.57" x 2.98" x 15.7")	438 x 76.5 x 376.4 mm (17.24" x 3.01" x 14.81")	439 x 92 x 376.5 mm (17.28" x 3.62" x 14.82")
Weight (net/gross)	10.58 kg (23.32 lb)/ 15.16 kg (33.42 lb)	7.65 kg (16.85 lb)/ 9 kg (19.84 lb)	9 kg (19.84 lb)/ 13.7 kg (30.2 lb)
Operating Temperature	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)	0°C ~ +40°C (32°F ~ 104°F)
Certification	CE, FCC class B, EN60601-1, UL60601-1	CE, FCC class B, EN60601-1, UL60601-1	CE, FCC class B, EN60601-1, UL60601-1

Medical Grade Monitors



Features\Models	MMT225	MMT175
Display type	Plastic front bezel (Front panel: IP65, whole enclosure: IPX1) 22" TFT, WSXGA+, 16:10	Plastic front bezel (Front panel: IP65, whole enclosure: IPX1) 17" TFT, SXGA, 4:3
Max. colors	16.7M	16.7M
Active area (mm)	473.76 x 296.1	337.92 x 270.33
Max. resolution	1680 x 1050	1280 x 1024
Display mode	VGA 640 x 350 (70 Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75 Hz) SVGA 800 x 600 (60/72/75 Hz) XGA 1024 x 768 (60/72/75 Hz) SXGA 1280 x 1024 (60/72/75 Hz) WSXGA 1680 x 1050 (60/72/75 Hz)	VGA 640 x 350 (70 Hz) VGA 720 x 400 (70Hz) VGA 640 x 480 (60/72/75 Hz) SVGA 800 x 600 (60/72/75 Hz) XGA 1024 x 768 (60/72/75 Hz) SXGA 1280 x 1024 (60/72/75 Hz)
Pixel pitch	0.282 x 0.282	0.264 x 0.264
Backlight	CCFL	CCFL
Backlight MTBF (hrs)	50,000	50,000
View angle (H/V)	178° / 178°	160° / 160°
Response time	20ms	5ms
Contrast ratio	1000 (TYP.)	800 (TYP.)
Brightness (cd/m2)	300 nits	380 nits
Display control	OSD	OSD
I/O connectors	1 x Audio (Line-out/Mic-in) 1 x VGA 1 x Video 1 x S-Video 1 x DVI 3 x USB (1 slave, 2 host)	1 x Audio (Line-out/Mic-in) 1 x VGA 1 x Video 1 x S-Video 1 x DVI 3 x USB (1 slave, 2 host)
Touchscreen	Resistive type	Resistive type
Power Adapter	Lock type external 24VDC with AC/DC medical grade power adapter	Lock type external 24VDC with AC/DC medical grade power adapter
Dimensions (W x D x H)	573.5 x 68.5 x 399 mm (22.58" x 2.69" x 15.71")	438 x 68.5 x 376.4 mm (17.24" x 2.69" x 14.81")
Weight (net/gross)	8.48 kg (18.69 lb)/13.02 kg (28.7 lb)	8.46 kg (18.52 lb)/10.96 kg (24.16 lb)
Operating Temperature	0°C ~ +45°C (32°F ~ 104°F)	0°C ~ +45°C (32°F ~ 104°F)
Certification	CE, FCC classB, EN60601-1, UL60601-1	CE, FCC classB, EN60601-1, UL60601-1

Open Frame Panel Computers



Features\Models	FDK190-830	FDK170-830	FDK150-830
CPU Level	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N270 1.6 GHz	Intel® Atom™ N270 1.6 GHz
System Memory	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB	1 x 200-pin DDR2 SO-DIMM max. up to 2 GB
CPU FSB Frequency	533 MHz	533 MHz	533 MHz
Display	19" TFT, SXGA, 250 nits	17" TFT, SXGA, 250 nits	15" TFT, XGA, 250 nits
I/O	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2-4) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA 1 x VR (brightness adjustment)	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2-4) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA 1 x VR (brightness adjustment)	1 x RS-232/422/485 (COM 1) 3 x RS-232 (COM 2-4) 1 x 10/100/1000Mbps 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA 1 x VR (brightness adjustment)
Storage	1 x 2.5" SATA HDD 1 x CompactFlash™	1 x 2.5" SATA HDD 1 x CompactFlash™	1 x 2.5" SATA HDD 1 x CompactFlash™
FDD	N/A	N/A	N/A
CD-ROM	N/A	N/A	N/A
Expansion Interface	1 x PCIe Mini Card	1 x PCIe Mini Card	1 x PCIe Mini Card
Touchscreen	5-wire resistive type (optional)	5-wire resistive type (optional)	5-wire resistive type (optional)
Operating System	Windows® XP, 7, XPE, Linux	Windows® XP, 7, XPE, Linux	Windows® XP, 7, XPE, Linux
Power Supply	12/24VDC	12/24VDC	12/24VDC
Power Consumption	36W	32W	32W
Watchdog Timer	255 levels, 0-255 sec.	255 levels, 0-255 sec.	255 levels, 0-255 sec.
Dimensions (W x D x H)	404.5 x 65 x 332 mm (15.92" x 2.6" x 13.07")	367 x 65 x 304.5 mm (14.45" x 2.6" x 11.99")	335 x 60 x 261.5 mm (13.18" x 2.36" x 10.29")
Weight (net/gross)	5.82 kg (12.83 lb)/7.86 kg (17.32 lb)	5.52 kg (12.16 lb)/7.5 kg (16.53 lb)	3.84 kg (8.46 lb)/6.16 kg (13.58 lb)
Operating Temperature	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)	0°C ~ +50°C (32°F ~ 122°F)
Wide Temperature	N/A	N/A	N/A
Certification	CE	CE	CE

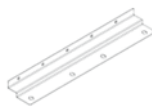
Accessory List



Part Number	E222175103	E228170100	E225840102	82018400060E
Accessory Description	Dark stand	Light stand	Desktop stand	Desktop stand
Applied for	OFP215, OFP240, IFO2170, IFO2175, IFO2225	MPC170, MMT175, MMT225, MPC175, MPC225, IFO2170, IFO2175	GOT-5xxxT-830 series and GOT-5xxxTL-621 series	GOT-3840TL



Part Number	82231560060E	82231060050E	82011750100E	82211580230E
Accessory Description	Desktop stand	Desktop stand	Desktop stand	Desktop stand
Applied for	GOT-3156T-823 GOT-3156T-830	GOT-3106TL-830 GOT-3126TL-830	PANEL1178	PANEL1158



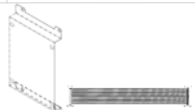
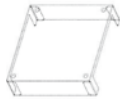
Part Number	82261580070E	82011750110E	72615300820E	82238400800E
Accessory Description	Rack mount kit	Rack mount kit	Rack mount kit	VESA and wall mount kit
Applied for	PANEL1153, PANEL1158	PANEL1173, PANEL1178, PANEL6178	PANEL6153	GOT-3840TL



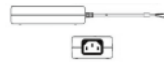
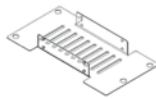
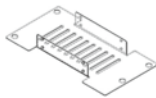
Part Number	82231560140E	82231260050E	82231060050E	82011750070E
Accessory Description	VESA and wall mount kit	VESA and wall mount kit	VESA and wall mount kit	VESA and wall mount kit
Applied for	GOT-3156T-823 GOT-3156TL-830	GOT-3126TL-830	GOT-3106TL-830	PANEL1178



Part Number	82211580090E	82261900070E	82061522100E	E201840102
Accessory Description	VESA and wall mount kit	Wall mount & desktop stand	Wall mount & desktop stand	1-slot PC/104 cover
Applied for	PANEL1158	PANEL6192	PANEL6122, PANEL6153, PANEL6158, PANEL6173, PANEL6178	GOT-3840TL



Part Number	E223570102	E201840101	E223570103	82251000050E
Accessory Description	1-slot PC/104 cover	2-slot PC/104 cover	2-slot PC/104 cover	2.5" HDD kit
Applied for	GOT-3570T	GOT-3840TL	GOT-3570T	GOT-5100TL-621 GOT-5120TL-621



Part Number	82011750080E	82011580080E	50966A23040E
Accessory Description	2 x 2.5" HDD kit	2 x 2.5" HDD kit	Adapter
Applied for	PANEL1173, PANEL1178	PANEL1153, PANEL1158	GOT series (phoenix type model)



Headquarters

Axiomtek Co., Ltd.

8F., No. 4, Lane 235, Baoqiao Road,
Xindian District, New Taipei City 231,
Taiwan
Tel: +886-2-2917-4550
Fax: +886-2-2917-3200
E-mail: info@axiomtek.com.tw

America

Axiomtek

18138 Rowland Street
City of Industry, CA 91748
USA
Tel: +1-626-581-3232
Fax: +1-626-581-3552
E-mail: info@axiomtek.com

Regional Sales Offices

Western Region	ext. 116
Northeast Region	ext. 187
Southeast Region	ext. 185
North Central Region	ext. 189

Europe

Axiomtek Deutschland GmbH

Hans-Böckler-Str. 10
40764 Langenfeld
Germany
Tel: +49-2173-399360
Fax: +49-2173-3993636
E-mail: sales@axiomtek.de

Axiomtek ITALIA S.r.l.

Via Bellini, 31/33
20095 Cusano Milanino (MI)
Italy
Tel: +39-02-664299.1 r.a.
Fax: +39-02-66400279
E-mail: info@axiomtek.it

China

Axiomtek Technology Co., Ltd.

10A, JingSong Mansion
TaiRan 4 Rd of CheGongMiao
Futian District, Shenzhen 518040
P.R. China
Tel: +86-755-8348-7887
Fax: +86-755-8358-9681
E-mail: axcn@axiomtek.com.cn

Beijing Office

Room 916, Block A JiaHua Tower,
No.9, ShangDi Three Street, HaiDian District,
Beijing 100085
P.R. China
Tel: +86-10-6297-0207
Fax: +86-10-6297-0208
E-mail: axcn@axiomtek.com.cn

Shanghai Office

1906, HuiYin Plaza, No. 2088,
HuaShan Rd, XuHui District,
Shanghai 200030
P.R. China
Tel: +86-21-54070022/54072078
Fax: +86-21-54070022#207
E-mail: axcn@axiomtek.com.cn

Axiomtek Electronic (DongGuan) Co., Ltd.

11 Building, Fuji Industrial City,
Qinghu Industrial Park, QingXi Town,
DongGuan
P.R. China
Tel: +86-769-8201-7600
Fax: +86-769-8201-7600#208
E-mail: axcn@axiomtek.com.cn

