SMC®
Networks

PRODUCT CATALOG

POWER TO CONNECT

As a recognized industry leader for over 30 years, SMC Networks has pioneered high-quality, standards-based connectivity and Internet access solutions. The company leverages its global manufacturing resources and strategic relationships with technology innovators to bring to market a growing range of affordable, leading-edge networking and connectivity solutions.

SMC Networks designs, produces, markets and services innovative high quality wired and wireless LAN solutions for small businesses, home users and enterprises, at an affordable cost of ownership. With three distinct product lines, SMC's EZ Networking™, Tiger™ and EliteConnect™ products are designed to meet the requirements of our customer's growing business and residential needs. All SMC products are backed by a limited lifetime warranty and 24/7 free technical support.

Committed to the channel, all SMC branded products are sold through SMC Networks' authorized distribution channel. SMC products are widely available through leading IT distributors and strategic partners (including telco's and ISP's) as well as retail and e-tail businesses. SMC does not sell directly to end users. To further confirm commitment to its channel, SMC runs channel programs across Europe & Africa to support and educate its resellers.

Global reach, local presences. As a global company, SMC has the capacity to support its partners and customers worldwide. With corporate headquarters located in Irvine, California, U.S.A, SMC supports the global market through strategically located sales and support offices around the world. Barcelona, Spain is home to the European & African headquarters with a centralized warehouse based in Holland.

Product Focus SMC Networks' EZ Networking™ line (includes EZ Card™, EZ Switch™, EZ Stream™, EZ Connect™ and Barricade™ product lines) is designed for the networked home and small offices. It is composed of wireless LAN solutions, a full range of network adapters for desktop and notebook use, unmanaged, dual-speed standalone switches, as well as internet connectivity products which include a line of ADSL (USB & PCI) modems. The Barricade™ line up is comprised of SMC's xDSL/Cable Broadband routers which support a range of fire-wall, ADSL modem, VPN and WLAN features.

SMC Networks' Tiger™ line is aimed at meeting the growing needs of small and medium-sized enterprises, with an emphasis on providing high-speed, feature-rich LAN products at the departmental level. The Tiger™ family consists of a complete line of Ethernet, Fast Ethernet, and Gigabit-Ethernet managed switches with the flexibility and bandwidth to support stacking and modular uplinks for a wide range of media connector types. The Tiger™ line extends to the desktop PC and server with a range of network adapters as well as VDSL solutions.

SMC Networks' EliteConnect™ line is comprised of enterprise-class wireless LAN solutions to address today's wireless applications, such as hotspots for corporate offices, hotels and airports. The EliteConnect™ WLAN Security System is an advanced wireless security and management solution that incorporates VPN technology as well as user authentication and rights management tools for protecting mission critical data and managing mobile users. (The EliteConnect™ line includes a 2.4HGz/5GHz wireless AP and client adapters).

Our mission is to connect people and organizations with a comprehensive portfolio of networking solutions while delivering best of breed technology.

Our manufacturing strength, SMC Networks is a privately held company of the Accton Technology Corporation, (TAIEX:2345) and is recognized as the branded business of the ATC group. Accton is a global provider of advanced communication products, with an ODM/OEM focus and a strong R&D force, ensuring that Accton seizes the benefits of cutting-edge technology. These top-quality products give SMC Networks a unique advantage over competing brands.

Accton has received the recognition of ISO 9001 quality systems for quality assurance in design, manufacturing and production, as well as ISO 14000 Environmental Management System. In 2000, Accton demonstrated its quality policy by becoming the eighteenth company to receive TL 9000, the world's highest quality system in the telecommunication industry. Accton currently has more than 2,000 employees worldwide.

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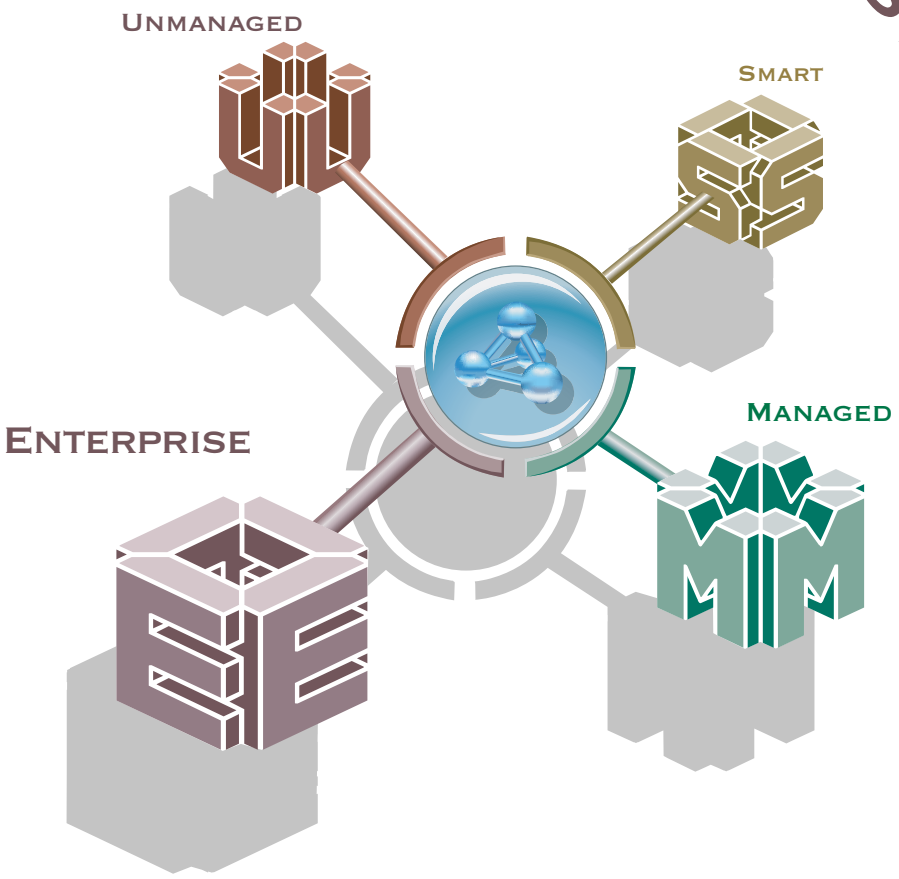
4 Levels of Switching



SMC Networks´ range of switch products offer unparalleled choice in performance, features and value-for-money. Whatever your network needs, from simple PC connectivity to stackable, manageable gigabit switches, SMC has the solution.

Switching is the tool all networking professionals turn to for increasing bandwidth, removing network bottlenecks, inter-connecting various media such as fiber and copper or migrating parts of networks to faster gigabit speeds. SMC's switches offer all the flexibility required with port counts from 5 to 50 ports, Ethernet/Fast Ethernet and Gigabit Ethernet performance, or desktop/stackable. Our award-winning, top-of-range TigerSwitches offer the ultimate in reliability, features and performance for larger installations while the EZ Switch range is ideal for PC connectivity and applications in small/medium sized offices and home offices.

SMC Networks, a long-time supplier of Ethernet switching technology, continues to bring leading edge technology and products to its customers. In line with the company's strategic initiative to bring high-speed switching technology with the features that users need most to SMB and Enterprise applications, SMC has introduced several new Gigabit switch products over the last year to fill the growing demand for bandwidth and efficiency. As the market evolves and re-distributes, SMC has the full breadth of products to address the ongoing changes in demand for all of the market segments it serves. SMC is committed to supporting its customers with the full range of options for switching technology—from simple unmanaged Gigabit switches to fully managed L2/3/4 10Gigabit switches. SMC is also a leader in enterprise class wireless access points and bridges that deliver much-needed security and management, as well as Power over Ethernet switches for Voice over IP and wireless applications.

SMC SWITCHING

Note: Transceivers sold separately
G = Gigabit

UNMANAGED

Fixed Ports

ALL FIXED PORTS

- 5/8 SMC8505T/SMC8508T — 5/8 x 10BASE-T/100BASE-TX/1000BASE-T
- 5/8 SMCGS5/SMCGS8 — 5/8 x 10BASE-T/100BASE-TX/1000BASE-T
- 16/24 SMCGS16/SMCGS24 — 16/24 x 10BASE-T/100BASE-TX/1000BASE-T
- 5/8 SMCFS5/SMCFS8 — 5/8 x 10BASE-T/100BASE-TX
- 16 SMC-EZ6516TX — 16 x 10BASE-T/100BASE-TX
- 5/8 SMC-EZ105DT/SMC-EZ108DT — 5/8 x 10BASE-T/100BASE-TX
- 16/24 SMC-EZ16SW/SMC-EZ24SW — 16/24 x 10BASE-T/100BASE-TX/

MANAGED

WITH EXPANSION SLOTS

Fixed Ports

- 24/48 SMC8024L2/SMC8048L2 — 24/48 x 10/100/1000BASE-T, 4 Gigabit combo (RJ45/SFP) ports (G)

SMART

Fixed Ports

ALL FIXED PORTS

- 16/24 SMCGS16-Smart/SMCGS24-Smart — 16/24 10/100/1000BASE-T ports

WITH EXPANSION SLOTS

- 24 SMCGS24C-Smart — 24 10/100/1000BASE-T, 4 x Gigabit Combo (RJ45/SFP) ports (G)

ENTERPRISE

Fixed Ports

MULTILAYER SWITCHES L2/L3

- 24/48 SMC8724ML3/SMC8748ML3 — 24/48 x 100BASE-T,ports plus 4 x Gigabit combo ports + 1 slot for 10 G module (G)
- 12 SMC8612XL3 — 12 x 100BASE-X SFP ports with 4 x 100BASE-T fixed in ports

LAYER 2 SWITCHES

STACKABLE

UP TO 8 UNITS

- 24/48 SMC8824M/SMC8848M — 24/48 x 10/100/1000BASE-T, 4 Gigabit Combo (RJ45/SFP) + 2 slots for 10G modules (XFP) (G)
- 24/48 SMC8724M/SMC8748M — 24/48 x 10/100/1000BASE-T, 4 Gigabit (RJ45/SFP) + 1 slot for 10 G module (G)
- 24 SMC6826MPE — 24 x 10/100BASE-TX ports, 2 gigabit combo ports, PoE Support
- 24 SMC6824M — 24 x 10/100 BASE-T, 100 BASE-FX fiber optics, 1000 BASE-XGigabit fiber optics (G)
- 24/48 SMC6224M/SMC6248M — 24/48 x 10/100BASE-T/TX, 2 1000 BASE-T ports, 2 Gigabit combo ports (G)

STANDALONE

WITH EXPANSION SLOTS

- 12/24/48 SMC8612T2/SMC8624T/SMC8648T — 12/24/48 x 10/100/1000BASE-T, 4 x 1000BASE-X (SFP) ports
- 8 SMC6724AL2 — 24 x 10/100BASE-T opt. 2 slots for 100FX, 1000X GBIC module
- 24/48 SMC6726AL2/6752AL2 — 24/48 x 10BASE-T ports + 2 Gigabit combo ports + 2 x 1000BASE-T ports (6752AL2 only) (G)
- 8 SMC8708L2 — 8 x 10 Gigabit XFP ports (G)

ALL FIXED PORTS

- 8 SMC6708L2 — 8 x 10BASE-T/100BASE-TX
- 9 SMC6709FL2 — 8 x 10BASE-T/100BASE-TX + 1 fixed-in 1000BASE-FX MMF ports
- 9 SMC6709GL2 — 8 x 10BASE-T/100BASE-TX + 1 fixed-in 1000BASE-SX

EZ Switch™ 10/100/1000 5/8-Port Gigabit Unmanaged Switch

SMCGS5/SMCGS8

FEATURES
- Auto MDI/MDI-X on each port to simplify integration into a network
- Jumbo Frame support
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- EEE802.3x compliant full-duplex flow control, HOL blocking prevention
- Broadcast storm control and CRC Filtering
- LED indicators for simple troubleshooting

PORTS
- SMCGS5
  - 5 x 10/100/1000 BASE-T
  - DC power socket
- SMCGS8
  - 8 x 10/100/1000 BASE-T
  - DC power socket

PERFORMANCE
- Switch fabric:
  - SMCGS5
    - 10Gbits
    - 7.4Mpps
  - SMCGS8
    - 16Gbits
    - 11.9Mpps
- 8K MAC address entries

DIMENSION/WEIGHT
- SMCGS5
  - 14.7 x 9.0 x 3.2 cm/5.71 x 3.52 x 1.27 in
  - 165 g/0.33 lbs
- SMCGS8
  - 18.9 x 9.0 x 3.7 cm/7.4 x 3.5 x 1.47 in
  - 285g/0.58lbs

EZ Switch™ 10/100/1000 16/24-Port Layer 2 Gigabit Unmanaged Switch

SMCGS16/SMCGS24

FEATURES
- Auto MDI/MDI-X on each port to simplify integration into a network
- Complies with the IEEE802.3, IEEE802.3u, and IEEE802.3ab/Gigabit Ethernet standard
- Jumbo Frame support
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE802.3x compliant full-duplex flow control

PORTS
- 16-port auto-MDIX 10/100/1000Mbps RJ-45 auto-sensing ports
- 24-port auto-MDIX 10/100/1000Mbps RJ-45 auto-sensing ports

PERFORMANCE
- Switch Fabric: 32/48Gbps, non-blocking
- Memory buffer: 272/400Kbits
- Throughput: 23.8/35.7Mpps
- 8K MAC Address Table

DIMENSION/WEIGHT
- 330 x 204 x 44 mm/3 x 8 x 1.7 in
- SMCGS16: 2.0 kg/4.04 lbs
- SMCGS24: 2.19 kg/4.8 lbs

EZ Switch™ 10/100/1000 5/8-Port Layer 2 Gigabit Unmanaged Switch

SMC8505T/SMC8508T

FEATURES
- Auto MDI/MDI-X on each port to simplify integration into a network
- Jumbo Frame support
- Complies with the IEEE802.3, IEEE802.3u, and IEEE802.3ab/Gigabit Ethernet standard
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE802.3x compliant full-duplex flow control

PORTS
- SMC8505T
  - 5 fixed 10BASE-T/100BASE-TX/ 1000BASE-T ports
- SMC8508T
  - 8 fixed 10BASE-T/ 100BASE-TX/1000BASE-T ports

PERFORMANCE
- Switch Fabric: 10/16Gbps, non-blocking
- Memory buffer: 768Kbits
- Throughput: 7.4/11.9Mpps
- 8K MAC Address Table

DIMENSION/WEIGHT
- 7.72 x 4.61 x 1.46 in/169 x 117 x 37 mm
- SMC8505T
  - 0.60 kg/1.323 lbs
- SMC8508T
  - 0.65 kg/1.433 lbs

FEATURES
- Up to 1.6Gbps of aggregate bandwidth
- Dual-speed 10/100Mbps with 5, 8 auto-sensing ports
- Receives and transmits traffic at full wire speed on all ports
- Automatic address learning with a 1K MAC address table

PORTS
- 5-/8 fixed 10BASE-T/100BASE-TX ports (all Auto-MDIX)

PERFORMANCE
- Switch Fabric: 1/1.6Gbits
- Memory: 768Kbits
- Throughput: 0.74/1.2Mbps

DIMENSION/WEIGHT
- SMCFS5
  - 5.7x3.5x1.26In/14.5 x 9 x 3.2 cm
  - 135g/0.29lbs
- SMCFS8
  - 5.7x3.5x1.26In/14.5 x 9 x 3.2 cm
  - 155/0.34lbs

EZ Switch™ 10/100
5/8-Port Dual-Speed
Unmanaged Switch

SMCFS5/SMCFS8

FEATURES
- Auto-negotiation of half or full duplex, and auto-sensing of transmission speed, on all ports
- Auto configuration for MDI/MDI-X cable connections
- ANSI/IEEE802.3u compliant
- Internal power supply
- Light and compact in size

PORTS
- 5/8-fixed 10BASE-T/100BASE-TX ports

PERFORMANCE
- Performance: 1/1.6Gbits
- Memory: 128Kbits/128Kbits
- Throughput: 0.74/1.2Mpps
- Address Table: 1K/2K

DIMENSION/WEIGHT
- SMC105DT
  - 4.3 x 2.8x 0.75 in/11 x 7.11 x 2 cm
  - 0.55lbs/.25 kg
- SMC108DT
  - 6.45 x 3.94 x 1.02 in/16.4 x 10 x 2.6 cm
  - 0.95 lbs/.5 kg

EZ Switch™ 10/100
5/8-Port
Unmanaged Switch

SMC105DT/SMC108DT

FEATURES
- 3.2 or 4.8Gbps aggregate bandwidth; speeds up to 200Mbps per port
- Filtering & forwarding all full-wire speed on all ports
- Buffered store-and-forward transmission method prevents propagation of bad packets
- Back pressure and flow control prevent packet loss under heavy load.
- Sturdy steel construction; rackmountable

PORTS
- EZNET-24SW
  - 24 RJ-45 ports, auto-sensing
- EZNET-16SW
  - 16 RJ-45 ports, auto-sensing

PERFORMANCE
- Switch Fabric: 3.2/4.8Gbps
- Memory buffer: 1.25/1.25Mbits
- Throughput: 2.4/3.6Mpps
- Address Table size: 8K

DIMENSION/WEIGHT
- 11x6.8x1.7 in/28x17.3x4.4 cm
- 1.6kg/3.5 lbs/1.7kg/3.7lbs

EZ Switch™ 10/100
16/24-Port Ethernet/Fast
Ethernet Dual-Speed
Unmanaged Switch

EZNET-16SW/
EZNET-24SW

FEATURES
- Up to 3.2Gbps of aggregate bandwidth
- Dual-speed 10/100Mbps with 16 auto-sensing ports
- Receives and transmits traffic at full wire speed on all ports
- Automatic address learning with a 2K MAC address table

PORTS
- 16 fixed 10BASE-T/100BASE-TX ports (all Auto-MDIX)

PERFORMANCE
- Switch Fabric: 3.2Gbits
- Memory buffer: 768Kbits
- Throughput: 2.3Mpps

DIMENSION/WEIGHT
- 10.43 x 3.31 x 1.02 in/265 x 84 x 26 mm
- 1.521 lbs/0.69 kg

EZ Switch™ 10/100
16-Port Dual-Speed
Unmanaged Switch

SMC-EZ6516TX

EZ Switch™ 10/100/1000
16/24-Port Layer
2 Gigabit Smart Switch

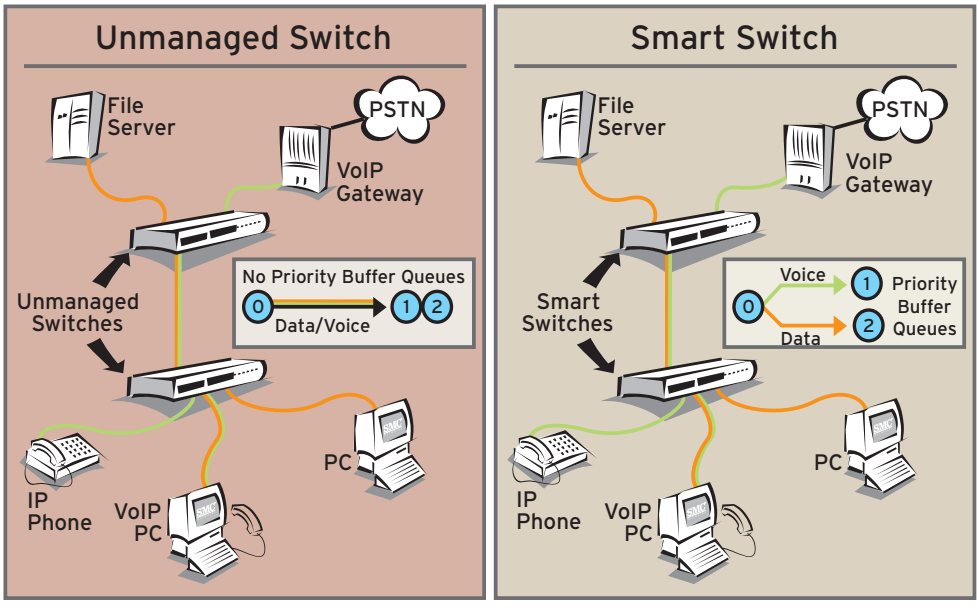
SMCGS16-SMART/
SMCGS24-SMART

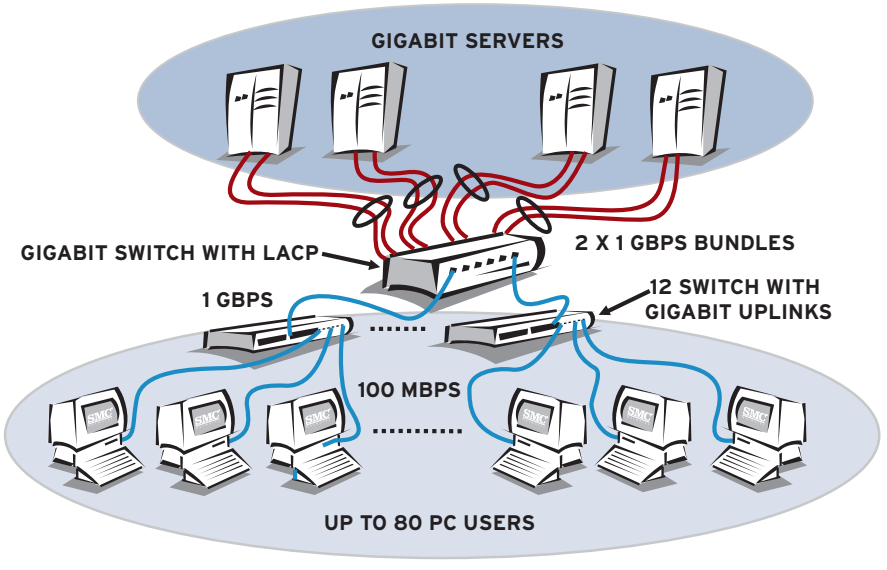
FEATURES
- 16/24 10/100/1000Mbps Ports
- Up to 32/48Gbps aggregate bandwidth
- Full wire-speed performance
- Jumbo frame support
- Internal power
- Rack-mountable

PORTS
- 16/24-ports 10/100/1000Mbps (RJ-45)
- Auto-Negotiation, Autosensing and Auto-MDIX on all ports

PERFORMANCE
- Switch Fabric: 32/48Gbps, non-blocking
- Memory buffer: 272/400Kbits
- Throughput: 23.8/35.7Mpps
- 8K MAC Address Table

DIMENSION/WEIGHT
- 10.7 x 6.5 x 1.8 in/27.2 x 16.5 x 4.6 cm
- SMCGS16-Smart: 2.0 kg/4.04 lbs
- SMCGS24-Smart: 2.2 kg/4.85 lbs





FEATURES

- 24 10/100/1000 ports with 4 Gigabit Combo (RJ-45/SFP) uplink ports
- L2/L4 feature set including RSTP, LACP, 802.1x
- Flexible SFP slots included to provide fiber uplink options
- Provides flexible web, snmp and console interfaces

PORTS

- 24 10/100/1000BASE-T ports
- 4 Combo (RJ-45/SFP)

MANAGEMENT

- In-Band Management
- Web-based HTTP, or SNMP manager
- Out-of-Band Management
- RS-232 DB-9 console port
- Software Loading
- TFTP/HTTP in-band

PERFORMANCE

- Switch Fabric: 48Gbps
- Memory buffer: 750Kbits
- Throughput: 35.7Mpps
- 8K MAC Address Table

DIMENSION/WEIGHT

- 13.0 x 7.9 x 1.7 in./33.0 x 20.0 x 4.4 cm
- 3.72 kg/8.44 lbs

TigerSwitch 1000
24-Port Managed Switch with 4 Combo (RJ-45/SFP) Ports

SMC8024L2

TigerSwitch™ 10G
Standalone 8-port XFP 10G Managed Layer 2 switch

SMC8708L2

FEATURES
- High port density 10G switch in a 1U box
- Full wire-speed switching performance
- Priority queuing
- VLAN with GVRP
- IGMP
- LACP for link aggregation
- Port mirroring
- Port and system security
- SNMP, RMON, spanning tree algorithm

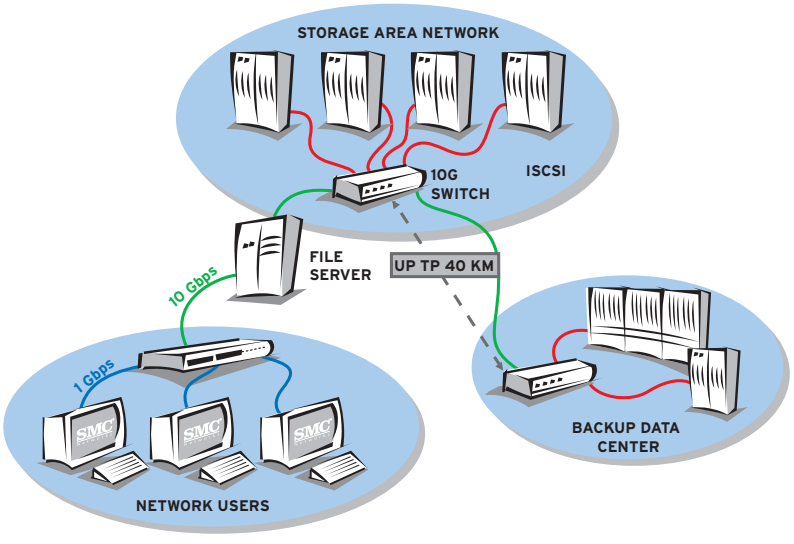
MANAGEMENT
- In-Band Management
  - Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
  - RS-232 DB-9 console port
- Software Loading
  - TFTP in-band or Xmodem out-of-band
- MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 1643), RMON MIB (RFC 1757), SMC's private MIB

PERFORMANCE
- Switch Fabric: 160Gbps, non-blocking
- Memory buffer: 4Mbits
- Throughput: 120Mpps
- 16K MAC Address Table

PORTS
- SMC8708L2: 8 10G-BASE ports
- Built-in Network Management

SECURITY
- SSH, SSL, HTTPS
- ACL, RADIUS/TACACS+
- Static port security

DIMENSION/WEIGHT
- 440 x 415 x 43 mm/17.3 x 16.3 x 1.8 in
- 5.84 kg/12.87 lbs



TigerStack II 10/100/1000
24/48-Port Gigabit IPv4/IPv6 Managed Switch with 4 Combo (RJ-45/SFP) Ports, High Speed Stacking Ports and 2 Flexible Module Slots for 10G

SMC8824M/SMC8848M

FEATURES
- 2 Slots of 10G XFP modules
- Stacks up to 8 units with build in stacking ports
- Introduces IPv6 (dual stack with IPv4) Management
- Supports Industry Standard L2/L4 features including MSTP, VLANs, LACP
- Supports secure management access via SSH, SSL, SNMPv3
- High Bandwidth switch fabric including hardware support for QoS.

MANAGEMENT
- In-Band Features
- IPv6 and IPv4 support
- Telnet and SSH
- HTTP and HTTPS
- SNMP (v1,v2c,v3)
- Out-of-Band Management
- RS-232 Console port
- Software upgrade
- TFTP or XModem
- Dual Firmware Images
- Configuration Download/Upload

PERFORMANCE
- Switch Fabric: 128/176Gbps
- Memory Buffer: 750Kbytes
- Throughput: 95/131Mpps
- Address Table: 8K

PORTS
- 24/48 10/100/1000BASE-T ports
- 4 Combo SFP ports
- 2 Stacking ports
- 2 10G Module slots

SECURITY
- SSH, SSL, HTTPS
- ACL, RADIUS/TACACS+
- Static port security

DIMENSION/WEIGHT
- 44.0 x 41.5 x 4.4 cm/17.4 x 16.4 x 1.8 in.
- SMC8824M: 5.7 kg/12.6 lbs
- SMC8848M: 6.1 kg/13.4lbs

FEATURES
- Full wire-speed non-blocking switching performance
- VLAN with GVRP
- IGMP snooping
- LACP for link aggregation
- Port and system security

MANAGEMENT
- RMON 4 groups (1, 2, 3 and 9)
- In-band: Telnet, web-based HTTP, or SNMP
- Out-band:RS-232 console port
- Spanning-Tree-Protocol for redundant connections
- Port-mirroring for easy troubleshooting
- Free EliteView network management software

PERFORMANCE
- Switch Fabric: 24/48/96Gbps, non-blocking
- Memory buffer: 1 Mbits
- Throughput: 17.8/35.7/71.4Mpps
- 16K MAC Address Table

PORTS
- 12/24/48 x 10BASE-T/100BASE-TX/1000BASE-T auto-MDIX ports with 4 SFP ports for media expansion (please note: 4 fixed-in gigabit-copper 10/100/1000 ports will be disabled if Mini-GBIC port for fiber connection are utilized)

SWITCHING BANDWITH CAPACITY
- SMC8612T - 24Gbps
- SMC8624T - 48Gbps
- SMC8648T - 96Gbps

SECURITY
- SSH, SSL, HTTPS
- ACL,RADIUS/TACACS+

DIMENSION/WEIGHT
- SMC8612T
  - 17 X 13.9 X 1.7 in/44 X 25.4 X 4.3 cm
  - 9.5lb/4.26 kg
- SMC8624T:
  - 17 x 16 x 1.73 in/44 x 41 x 4.39 cm
  - 9.46 lbs/4.3 kg
- SMC8648T:
  - 17 x 16 x 1.73 in/44 x 41 x 4.39 cm
  - 9.46 lbs/4.3 kg

TigerSwitch™ 10/100/1000 12/24/48-Port Standalone Gigabit Managed Switch with 4 mini-GBIC ports

SMC8612T2/ SMC8624T/ SMC8648T

FEATURES
- High-port density and migration protection in a small footprint
- Advanced Layer 3 Unicast Features
- Advanced Layer 3 Multicast Features
- QoS
- VLAN with GVRP and 802.1s/v
- IGMP Snooping
- MultiLink Trunking with LACP
- Comprehensive security support
- Redundant Power Supply

MANAGEMENT
- RMON 4 groups
- SNMP v1,v2 and V3
- CLI
- Web interface
- Port mirroring
- DNS
- SNTP
- Syslog remote logging

PERFORMANCE
- Switch Fabric: 108/156Gbps, non-blocking
- Memory buffer: 2Mbits
- Throughput: 80/115Mpps
- 16K MAC Address Table

PORTS
- 24-/48-ports 10/100/1000Mbps (RJ-45), Including 4 Gigabit combo ports, 1000BASE-X (SFP/RJ-45)
- 1 Expansion Slot for optional 10G uplink
- 2 Stacking ports on the rear panel
- Auto-Negotiation, Autosensing and Auto-MDIX on all RJ-45 ports
- 1 Console port (RS-232)
- 1 RPS Connector

SECURITY
- SSH, SSL, HTTPS
- ACL, RADIUS/TACACS+
- Static port security

DIMENSION/WEIGHT
- 44.0 x 41.5 x 4.4 cm/17.3 x 16.3 x 1.7 in.
- SMC8724ML3: 5.7 kg/12.6 lbs
- SMC8748ML3: 6.1 kg/13.4 lbs

TigerStack™ 1000 24/48-Port Gigabit Managed Switch with 4 Combo (RJ45/SFP) Ports and High Speed Stacking Ports Flexible Module Slot

SMC8724ML3/ SMC8748ML3

FEATURES
- 12 SFP 1000BASE-X ports with 4 associated gigabit copper ports
- Operating at wire-speed for optimal switching and IP routing
- Support IP/RIP, OSPF routing protocols
- IGMP and DVMRP multicast protocol supported for today's multimedia application
- Fully featured with security and management tools/protocols

MANAGEMENT
- L3: IP/RIP, OSPF and VRRP
- SNMP, RMON
- Full Duplex Flow Control
- VLANs
- QoS
- Link Aggregation
- Spanning Tree, MSTP,

PERFORMANCE
- Switch Fabric: 24Gbps, non-blocking
- Memory buffer: 1 Mbits
- Throughput: 17.86Mpps
- 16K MAC Address Table

PORTS
- 12 SFP 1000BASE-X ports
- 4 10/100/1000BASE-T ports
- Built-in network management

SECURITY
- SSH, SSL, HTTPS
- ACL,RADIUS/TACACS+

DIMENSION/WEIGHT
- 17.4 x 9 x 1.7 in/44.0 x 22.9 x 4.3 cm
- 11.02 lb/5.0 kg

TigerSwitch™ 1000 12 SFP Port Standalone Layer 3 Gigabit Managed Switch

SMC8612XL3

TigerStack™ 10G
24/48-Port Gigabit Managed Switch with 4 Combo (RJ45/SFP) Ports and High Speed Stacking Ports Flexible Module Slot

SMC8724M/ SMC8748M

FEATURES
- High-port density and migration protection in a small footprint
- QoS
- VLAN with GVRP and 802.1s/v
- IGMP Snooping
- MultiLink Trunking with LACP
- Comprehensive security support
- Redundant Power Supply

MANAGEMENT
- RMON
  - 4 groups
- SNMP
  - v1, v2 and v3
- CLI
- Web interface
- Port mirroring
- DNS
- SNTP
- Syslog remote logging

PERFORMANCE
- Switch Fabric: 108/156Gbps, non-blocking
- Memory buffer: 2Mbits
- Throughput: 80/115Mpps
- 16K MAC Address Table

PORTS
- 24-/48-ports 10/100/1000Mbps (RJ-45), Including 4 Gigabit combo ports, 1000BASE-X (SFP/RJ-45)
- 1 Expansion Slot for optional 10G uplink
- 2 Stacking ports on the rear panel
- Auto-Negotiation, Autosensing and Auto-MDIX on all RJ-45 ports
- 1 Console port (RS-232)
- 1 RPS Connector

SECURITY
- SSH, SSL, HTTPS
- ACL, RADIUS/TACACS+
- Static port security

DIMENSION/WEIGHT
- 44.0 x 41.5 x 4.4 cm/17.3 x 16.3 x 1.7 in.
- SMC8724M: 6.08 kg/13.4 lbs
- SMC8748M: 6.36 kg/14.0 lbs

TigerSwitch™ 10/100/1000
48 Port Gigabit Managed switch with 4 combo (RJ-45/ SFP) Ports and 2 x 10G Uplink slots

SMC8748L2

FEATURES
- High-port density and migration protection in a small footprint
- 2 x 10G uplink slots
- Flexible QoS with 8 priority queues
- Security features supported
- Redundant power

MANAGEMENT
- Standalone
- SNMP, RMON
- Full Duplex Flow Control
- VLANs
- QoS
- Link Aggregation
- Spanning Tree, MSTP, RSTP
- 9K Jumbo Frames
- Port-Mirroring

PERFORMANCE
- Switch Fabric: 136Gbps, non-blocking
- Memory buffer: 1.5Mbits
- Throughput: 101Mbps
- 8K MAC Address Table

PORTS
- 48 10/100/1000BASE-T Ports
- 4 Combo (RJ-45/SFP) ports
- 2 x 10G XFP slots
- Built-in network management

SECURITY
- SSH, SSL, HTTPS
- ACL, RADIUS/TACACS+

DIMENSION/WEIGHT
- 44.0 x 41.5 x 4.4 cm/17.4 x 16.4 x 1.8 in.
- 5.02kg/11.1lbs

TigerStack™ 10/100
24/48-Port Stackable Managed Switch with 4 gigabit, 2 RJ-45, and 2 Combo RJ45/SFP Ports

SMC6224M/SMC6248M

FEATURES
- High-port density and migration protection in a small footprint
- Stacking
- QoS
- VLAN with GVRP and 802.1s
- IGMP Snooping
- MultiLink Trunking with LACP
- Comprehensive security support
- Redundant Power Supply

MANAGEMENT
- CLI
- NMS
- Web-based

PERFORMANCE
- Switch Fabric: 12.8/17.6Gbps, non-blocking
- Memory buffer: 512Kbits
- Throughput: 9.5/13.39Mpps
- 8K MAC Address Table

PORTS
- 24/48 Port 10/100 Auto-MDIX
- 2 stacking/copper
- 2 copper/SFP ports

SECURITY
- SSH, SSL, HTTPS
- ACL, RADIUS/TACACS+

DIMENSION/WEIGHT
- 17.4 x 9 x 1.8 in/440 x 230 x 43 mm
- 6.0 lb/2.7 kg

FEATURES
- 24 10/100 ports with 2 Combo RJ-45/SFP ports
- Stackable up to 8 units high
- Up to 8.8Gbps aggregate bandwidth
- Industry standard Power Over Ethernet support
- ACL, RADIUS, TACACS+, SSL
- SNMP, RMON, and Spanning Tree Algorithm
- Redundant Power Support
- Industry standard QoS (802.1p), VLAN (802.1Q), RADIUS and LACP (802.3ad)

MANAGEMENT
- Stackable up to 8 Units
- Power-over-Ethernet
- SNMP, RMON
- Full Duplex Flow Control
- VLANs
- QoS
- Link Aggregation
- Spanning Tree, RSTP
- Port-Mirroring

PERFORMANCE
- Switch Fabric: 8.8Gbps, non-blocking
- Memory buffer: 8Mbits
- Throughput: 6.6Mpps
- 8K MAC Address Table

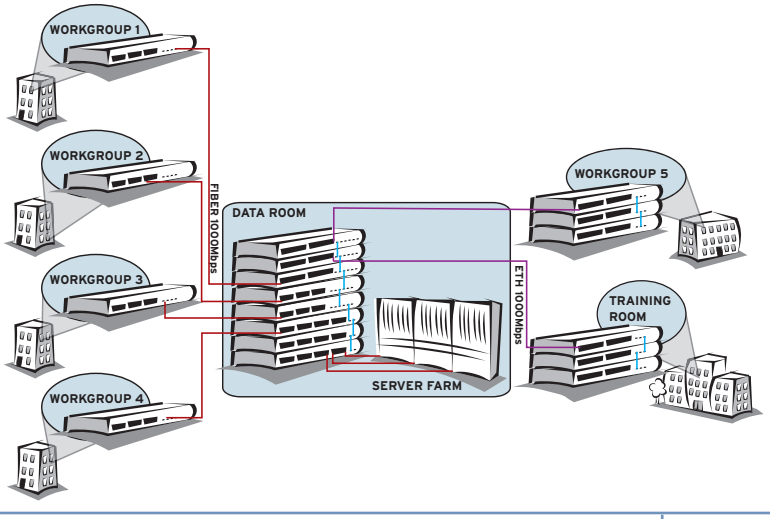
PORTS
- 24-ports 10/100Mbps (RJ-45)
- 2 Gigabit combo ports, 1000BASE-X (SFP/RJ-45)
- Auto-Negotiation, Autosensing and Auto-MDIX on all RJ-45 ports
- Power-over-Ethernet on all 10/100 ports
- 1 Console port (RS-232)
- 1 RPS Connector

SECURITY
- SSH, SSL, HTTPS
- ACL, RADIUS/TACACS+

DIMENSION/WEIGHT
- 18 x 16 x 1.7 in/440 x 410 x 43 mm
- 5.76 kg/12.70 lbs

TigerStack III™ 10/100 PoE 24-Port PoE Managed Switch with 2 Combo RJ-45/SFP ports

SMC6826MPE



FEATURES
- Supports up to 24 auto-MDIX 10/100 ports, 2 1000Mbps or 100BASE-FX ports
- Stacks up to 8 units
- Non-blocking 8.8Gbps switch fabric for maximum switching performance
- Four levels of priority, with weighted fair queuing, ensures smooth transmission of data
- Supports VLANs based on tags, ports, or protocol, plus support for automatic GVRP LAN registration for maximum security and bandwidth efficiency
- IGMP allows multicast traffic transmission to registered users only
- Port trunking group links between switches, increases bandwidth for dedicated link
- Security control and authentication such as SSH, SSL, HTTPS, IEEE 802.1x to ensure a secure network

MANAGEMENT
- In-Band Management
- Telnet, SLIP, Web-based HTTP, or SNMP manager
- Out-of-Band Management
- RS-232 DB-9 console port
- Software Loading
- TFTP in-band or Xmodem out-of-band
- MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 1643), RMON MIB (RFC 1757), SMC's private MIB

PERFORMANCE
- Switch Fabric: 8.8Gbps, non-blocking
- Memory buffer: 512Kbits
- Throughput: 6.6Mpps
- 8K MAC Address Table

PORTS
- 24 Auto-MDIX 10BASE-T/100BASE-TX RJ-45 ports
- 2 slots for expansion modules
- Built-in Network Management

SECURITY
- SSH, SSL, HTTPS
- ACL,RADIUS/TACACS+

DIMENSION/WEIGHT
- 44.0 x 32.3 x 4.3 cm/17.32 x 12.8 x 1.69 in.
- 3.08 kg/6 lbs 13 oz

TigerStack™ III 10/100 24-Port Stackable Managed Switch with 2 slots for media expansion

SMC6824M

TigerSwitch™ 10/100 24/48-Port Standalone Managed Switch with 2 1000BaseT/SFP Combo Ports

6726AL2/6752AL2

FEATURES
- QoS
- VLAN with GVRP
- IGMP Snooping
- MultiLink Trunking with LACP
- Comprehensive security support

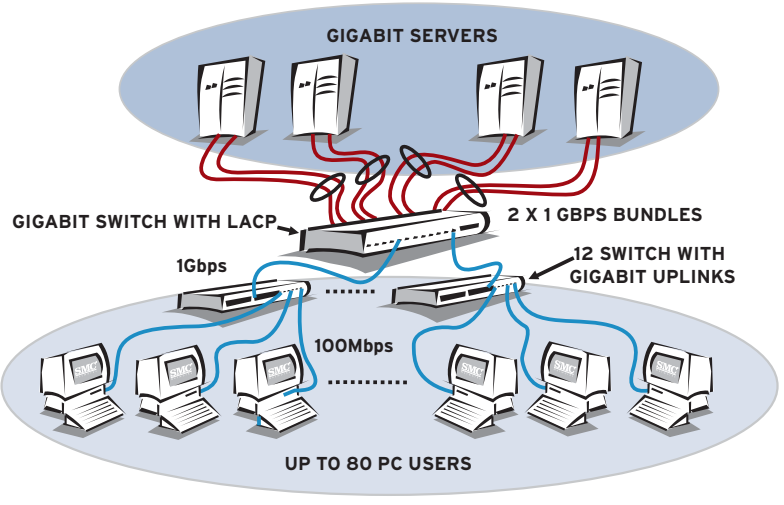
MANAGEMENT
- Industry standard CLI
- Web Management
- Telnet
- Remote Ping
- Dual Firmware Images
- Configuration Download/Upload
- SNMP
- RMON (Groups, 1, 2, 3, 9)
- DHCP
- Event/ Error Log

PERFORMANCE
- Switch fabric: 8.8/17.6Gbps
- Memory buffer: 4 Mbits
- Throughput: 6.5/13Mpps
- Address Table: 8K

PORTS
- 24/48 10/100BASE-T ports
- 2 Combo RJ-45/SFP ports
- 2 10/100/1000BASE-T ports (SMC6752AL2 only)
- 1 console port

SECURITY
- Static port security
- IEEE802.1x
- ACL (Access Control Lists)
- RADIUS Authentication
- TACACS+ Authentication
- HTTPS and SSL (Secured Web)
- SSH v1.5/2.0 (Secured Telnet)
- Username/Password Authentication

DIMENSION/WEIGHT
- SMC6726AL2:
  - 44.0 x 23 x 4.4 cm/17.32 x 9.06 x 1.73 in.
  - 2.70 kg/5.95 lbs
- SMC6752AL2:
  - 44.0 x 23 x 4.4 cm/17.32 x 9.06 x 1.73 in.
  - 3.09 kg/6.8 lbs.



TigerSwitch™ 10/100 8-Port Standalone Managed Switch
SMC6709FL2: with 1 100BASE-FX uplink
SMC6709GL2: with 1 1000BASE-SX uplink

SMC6709FL2/ SMC6708L2/ SMC6709GL2

FEATURES
- Easy to install and integrate: 8-port 10/100 auto-MDIX port and 1 fiber port for distance connection of up to 2km away
- Link aggregation creates high-speed data paths to servers or other switches
- VLAN support provides port VLANs and GVRP for auto-registration
- IGMP snooping reduces multicast traffic for maximum performance
- Compacted 10" case

MANAGEMENT
- In-Band Management
- Telnet, Web-based HTTP, or SNMP manager
- Out-of-Band Management
- RS-232 DB-9 console port Software Loading
- TFTP in-band or Xmodem out-of-band
- MIB Support
- MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-like MIB (RFC 1643), RMON MIB (RFC 1757)

PERFORMANCE
- Switch Fabric: 1.6/1.8/3.6Gbps, non-blocking
- Memory buffer: 2Mbits
- Throughput: 1.2/1.3/2.7Mpps
- 8K MAC Address Table

PORTS
- 8 auto-MDIX 10BASE-T/100BASE-TX RJ-45 ports
- Pre-configured with 1 100BASE-FX MMF port: SMC6709FL2 only
- Pre-configured with 1 1000BASE-SX port: SMC6709GL2 only

SECURITY
- ACL

DIMENSION/WEIGHT
- 10 x 1.75 x 5.25 in/25x 38x 13.2 cm
- 2 lbs/6 oz

FEATURES
- Optional 10/100TX, Gigabit or 100FX Uplinks
- QoS that supports four levels of priority
- Rate Limiting
- RADIUS Client

PERFORMANCE
- Switch Fabric: 8.8Gbps
- Memory buffer: 16MB
- 8K MAC Address Table

PORTS
- 1 RJ-21 Port (contains 24 Extended Ethernet Ports)
- 1 Slot for Ethernet expansion module
- 1 Mini-GBIC Slot (SFP)

SECURITY
- Radius
- TACACS+

DIMENSION/WEIGHT
- 1.7 x 17.4 x 13.9 in/44 x 440 x 352 mm
- 7.94 lbs/3.6 kg

TigerAccess™
24-Port Layer 2
Extended Ethernet Switch

SMC7724M/VSW

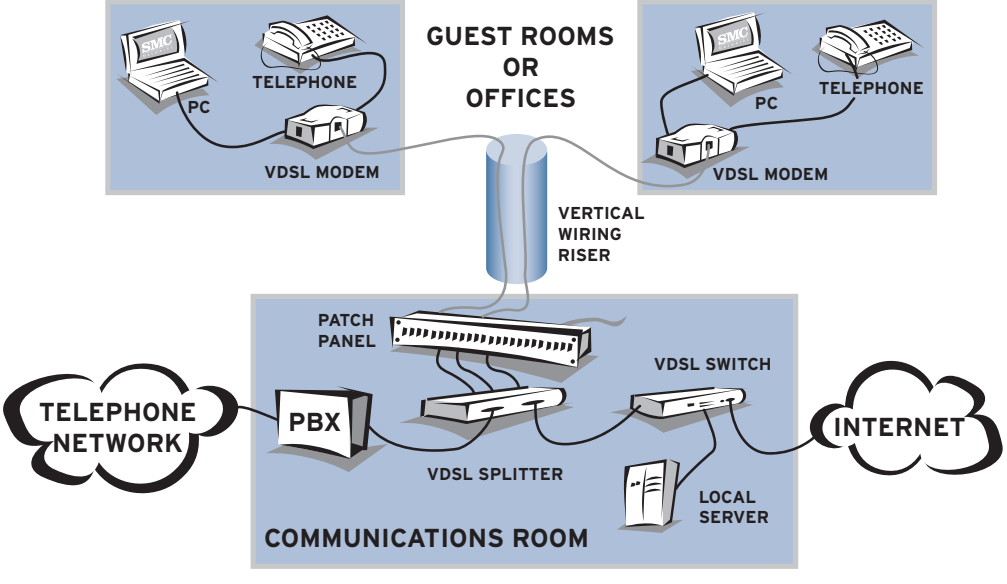
FEATURES
- Easy to deploy: simple PBX configuration and it is ready to use
- No power feed required
- Facilitates the co-existence of POTS and EE traffic over single pair wiring

Ports
- 3 RJ-21 connectors; one-pair category 1, 2, or 3 UTP cabling
- 1 RJ-21 to the patch panel
- 1 RJ-21 to the Extended Ethernet Switch
- 1 RJ-21 to the PBX

DIMENSION/WEIGHT
- 1.7 x 17.3 x 13.9 in/44 x 440 x 352 mm
- 6.0 lbs/2.7 kg

TigerAccess™
24-Port Extended
Ethernet Splitter

SMC7024/VSP



FEATURES
- Easy to deploy
- No rewiring required
- 10BASE-T or 100BASE-TX for easy Ethernet connection
- Supports analog phones
- Small form factor
- Supports both POTS and Extended Ethernet line simultaneously
- Anti-theft cover wall mountable accessory available

Ports
- 2 RJ-11 connector; one-pair category 1, 2, 3 UTP cabling
  - 1 RJ-11 to phone jack in the wall
  - 1 RJ-11 for telephone connection
- 1 RJ-45 10BASE-T/100BASE-TX
  - 10BASE-T: UTP category 3, 4, 5
  - 100BASE-TX: UTP category 5

DIMENSION/WEIGHT
- 3.74 x 3.54 x 1.02 in/95 x 90 x 26 mm
- 4.94 oz/140 g

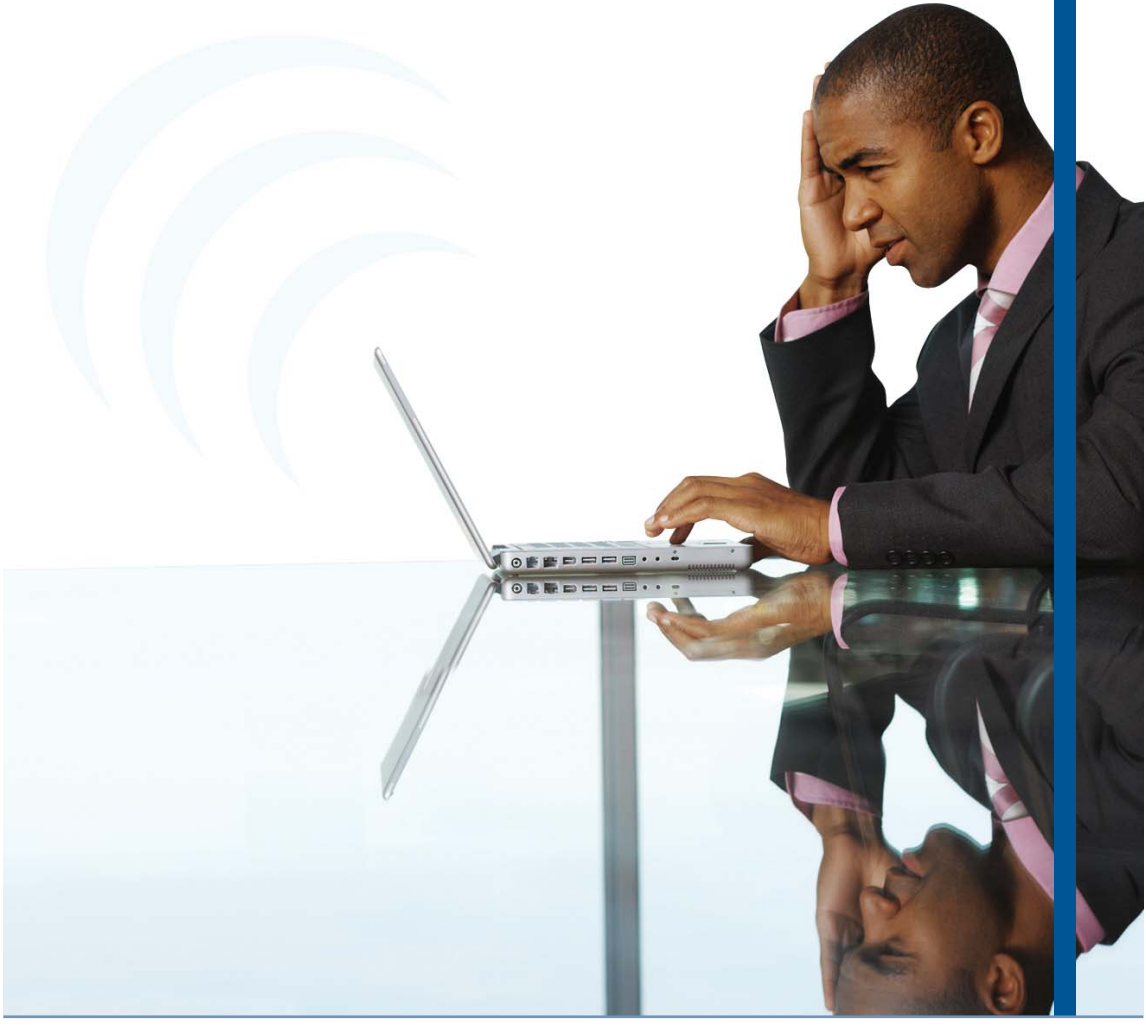
TigerAccess™
Extended Ethernet CPE

SMC7500A/VCP

ENTERPRISE WIRELESS

Built-in security, manageability and reliability features make the EliteConnect line of Enterprise Wireless products ideal for any organization or institution facing increasing mobile computing needs. From protecting communications and sensitive data on the wireless LAN, to simple installations the EliteConnect line of Enterprise wireless products offer the most advanced and comprehensive set of authentication and encryption security capabilities on the market today. Web-based network management tools make configuration and remote management of the network painless. SMC's Eliteview management software support integrates the wireless LAN with your wired infrastructure. Wi-Fi certification ensures interoperability with Wi-Fi-certified products from other vendors.

SMC wireless devices ship with drivers for all popular network operating systems. Latest drivers are available on www.smc.com. SMC wireless networking products come with a limited lifetime warranty



FEATURES
- IEEE802.11a, 802.11b and 802.11g compliant
- Flexible management features
- External antenna option
- Enterprise level of authentication and encryption security
- Anti-Theft mechanism
- Power over Ethernet support (optional)

PORTS/CONNECTORS
- 1-port 10/100Mbps (RJ-45)
- Serial interface (RS-232)
- RP-MMCX connector for an external 2.4GHz Antenna

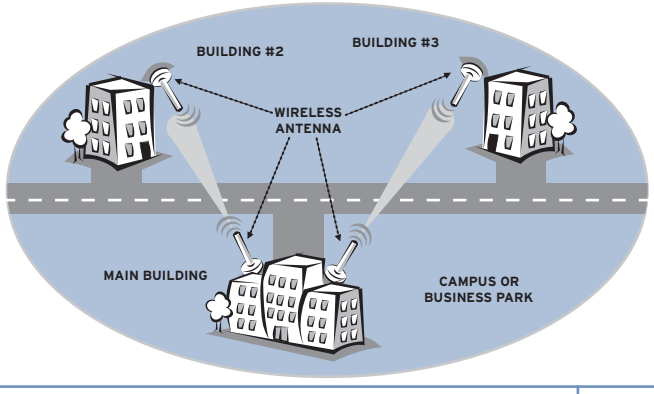
MANAGEMENT
- Up to 64 VLANs
- Web-based configuration, SNMP, CLI
- SysLog and Event-Logging
- TFTP, Telnet
- Multiple SSID support

SECURITY
- 64-/128-/152-bit WEP encryption
- AES & TKIP encryption
- Wi-Fi Protected Access (WPA)
- IEEE802.1x, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP
- Disable SSID Broadcast
- MAC address filtering
- 64 VLANs

DIMENSION/WEIGHT
- 101 x 140 x 38 mm/4 x 5.5 x 1.5 in
- 800 g/1.8lbs

EliteConnect™ Universal
2.4GHz/5GHz
Wireless Access Point

SMC2555W-AG



FEATURES
- IEEE802.11b, and 802.11g compliant
- Flexible management features
- Detachable antennas
- Enterprise level of authentication and encryption security
- Anti-Theft mechanism
- Power over Ethernet support (optional)

PORTS/CONNECTORS
- Serial interface (RS-232)
- 1-port 10/100Mbps (RJ-45)
- 2 RP-SMA connectors for external 2.4GHz antennas

MANAGEMENT
- Up to 16 VLANs
- Web-based configuration, SNMP, CLI
- SysLog and Event-Logging
- TFTP, Telnet

SECURITY
- 64-/128-/152-bit WEP encryption
- AES & TKIP encryption
- Wi-Fi Protected Access (WPA)
- IEEE802.1x, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP
- Disable SSID Broadcast
- MAC address filtering
- 16 VLANs

DIMENSION/WEIGHT
- 101 x 140 x 38 mm/4 x 5.5 x 1.5 in
- 800 g/1.8lbs

EliteConnect™
2.4GHz 802.11g
Wireless Access Point

SMC2552W-G

FEATURES
- IEEE802.11b, and 802.11g compliant
- Flexible access point and bridging functionalities
- Flexible management features
- Detachable antennas
- Enterprise level of authentication and encryption security
- Power over Ethernet support (optional)

PORTS/CONNECTORS
- Serial interface (RS-232)
- 1-port 10/100Mbps (RJ-45)
- RP-SMA connector for external 2.4GHz antenna

MANAGEMENT
- Web-based configuration, SNMP
- SysLog and Event-Logging
- TFTP, Telnet
- DHCP server

SECURITY
- 64-/128-bit WEP encryption
- TKIP encryption
- Wi-Fi Protected Access (WPA)
- IEEE802.1x, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP
- Disable SSID Broadcast
- MAC address filtering
- Wireless Client Isolation

DIMENSION/WEIGHT
- 101 x 140 x 38 mm/4 x 5.5 x 1.5 in
- 436 g/1 lbs

EliteConnect™
2.4GHz 802.11g
Wireless Bridge

SMC2586W-G

EliteConnect™
2.4GHz 11Mbps
Wireless Bridge

SMC2582W-B

FEATURES
- IEEE802.11b compliant
- Flexible access point and bridging functionalities
- Flexible management features
- Detachable antennas
- Enterprise level of authentication and encryption security
- Power over Ethernet support (optional)

PORTS/CONNECTORS
- Serial interface (RS-232)
- 1-port 10/100Mbps (RJ-45)
- RP-SMA connector for external 2.4GHz antenna

MANAGEMENT
- Web-based configuration, SNMP
- SysLog and Event-Logging
- TFTP, Telnet
- DHCP server

SECURITY
- 64-/128-bit WEP encryption
- TKIP encryption
- Wi-Fi Protected Access (WPA)
- IEEE802.1x, EAP-MD5, EAP-TLS, EAP-TTLS, PEAP, LEAP
- Disable SSID Broadcast
- MAC address filtering
- Wireless Client Isolation

DIMENSION/WEIGHT
- 172 x 140 x 32 mm/6.75 x 5.5 x 1.25 in
- 363 g/.8 lbs

EliteConnect™
2.4GHz 802.11g
Dual-Radio Wireless Bridge
SMC2585W-G

FEATURES
- IEEE 802.11g compliant
- 2.4GHz frequency band requires no FCC license
- High performance and data rates up to 54Mbps with auto-fallback feature
- Connects two separated LANs (usually I located in different buildings)
- Flexible access point and bridging functionalities
- Advanced wireless encryption security
- Flexible management features including Web-based management, Telnet, TFTP, SNMP, Syslog, and Event Logging
- Detachable antenna
- 802.3af power over Ethernet
- Dual 802.11b/g Radios

PORTS/CONNECTORS
- Serial interface (RS-232)
- 1-port 10/100Mbps (RJ-45)
- 2 RP-SMA connector for external 2.4GHz antennas

MANAGEMENT
- Web-based configuration, SNMP
- SysLog and Event-Logging
- TFTP, Telnet
- DHCP server

SECURITY
- 64/128-bit WEP
- 802.1x
- WPA
- MAC address filtering
- Disabled SSID broadcast
- Wireless client isolation

DIMENSION/WEIGHT
- 8.5 x 5.5 x 1.25 in/216 x 140 x 31.75 mm
- 0.96 lbs/0.43 kg

EliteConnect" Universal
2.4Ghz/5Ghz Dual-Band
Outdoor Wireless Access
Point/Bridge

SMC2888W
(SMC2888W-M,
SMC2888W-S)

FEATURES
- IEEE 802.11a, 802.11b and 802.11g compliant, 2.4GHz/5GHz unlicensed frequency band
- Data rates up to 108Mbps turbo mode in 802.11a, up to 54Mbps in 802.11g, and up to 11Mbps in 802.11b with auto-fallback feature
- High transmit power up to 100 mW (20 dB)
- Enterprise level of security includes support of 64-/128-/152-bit WEP encryption, Wi-Fi Protected Access (WPA), IEEE802.1x and AES

PORTS/CONNECTORS
- 1-port 10/100Mbps (RJ-45)
- RSSI connector
- N connector for external antenna

MANAGEMENT
- Up to 64 VLANs
- Web-based configuration, SNMP
- SysLog and Event-Logging
- TFTP, Telnet

SECURITY
- 64-/128-/152-bit WEP encryption
- AES & TKIP encryption
- Wi-Fi Protected Access (WPA)
- IEEE802.1x, EAP-MD5, EAP-TLS, LEAP

DIMENSION/WEIGHT
- 17.46 x 12,06 cm/6.875 x 4.75 in
- 4.8 kg/10.5 lbs

FEATURES
- AP/Bridge
- AAA
- POS Ticket Printer
- Gateway/Router
- SPI Firewall

PORTS/CONNECTORS
- Serial interface (RS-232)
- 5-port 10/100Mbps (RJ-45)
  - 1 WAN-port (fixed), 1 LAN-port (fixed) with PoE
  - 3 configurable LAN/WAN ports
  - Supports up to 4 WAN ports with load-balancing
- RP-SMA connector for external 2.4GHz antenna

MANAGEMENT
- Web Based Management
- UPnP, SNMP, System log
- Zero Client Reconfiguration
- Firmware upgrade via TFTP and HTTP

WIRELESS SECURITY
- 64-/128-bit WEP Encryption
- WPA (802.1x/TKIP)
- Enable/Disable SSID broadcast
- MAC address Access Control
- Wireless Client isolation

NETWORK SECURITY
- Packet filtering (Ethernet, IP, TCP/UDP)
- URL filtering
- WAN ICMP request blocking
- Stateful packet inspection (SPI)
- Wireless-to-Ethernet traffic blocking

DIMENSION/WEIGHT
- SMCWHSG44-G:
  - 21.6 x 14.0 x 3.2 cm/8.5 x 5.5 x 1.25 in
  - 436 g/1 lbs
- SMCWHS-POS:
  - 18.5 x 11.4 x 9.9 cm/7.25 x 4.5 x 3.9 in
  - 740 g/1.63 lbs (without cable and paper roll)

EliteConnect™
2.4GHz 802.11g
Wireless Hotspot Gateway

SMCWHSG44-G

FEATURES
- IEEE 802.11 compliant
- Transmit power up to 200 mW (23 dB)
- Detachable antenna with 2 MMCX connectors
- Advanced Enterprise level security and RADIUS authentication

SECURITY
- 64-/128-bit WEP encryption
- TKIP encryption
- Wi-Fi Protected Access (WPA)
- IEEE802.1x, EAP-MD5, EAP-TLS, EAP-TTLS, LEAP, PEAP

DRIVER/SOFTWARE
- Windows 98SE, ME, 2000, XP

DIMENSION/WEIGHT
- 5 x 55 x 86 mm/0.2 x 2.13 x 3.38 in
- 38 g/0.08 lbs

EliteConnect™
2.4GHz 802.11b
High Power Wireless
PC Card

SMC2532W-B

FEATURES
- IEEE 802.11a, 802.11b and 802.11g compliant, 2.4GHz/5GHz unlicensed frequency band
- Data rates up to 108Mbps turbo mode in 802.11a, up to 54Mbps in 802.11g, and up to 11Mbps in 802.11b with auto-fallback feature
- High transmit power up to 100 mW (20 dB)
- Enterprise level of security includes support of 64-/128-/152-bit WEP encryption, Wi-Fi Protected Access (WPA), IEEE802.1x and AES

SECURITY
- 64-/128-/152-bit WEP encryption
- AES & TKIP encryption
- Wi-Fi Protected Access (WPA)
- IEEE802.1x, EAP-MD5, EAP-TLS, LEAP

DRIVER/SOFTWARE
- Windows 98SE/ME/2000/XP
- Configuration Utility for Windows with Site Survey and Profile Management

DIMENSION/WEIGHT
- 7.62 x 54 x 118 mm/0.3 x 2.13 x 4.65 in
- 44 g/.1 lbs

EliteConnect™ Universal
2.4GHz/5GHz High Power
Wireless Cardbus Adapter

SMC2536W-AG


SMCANT-DI105


SMCANT-DI135


SMCANT-DI145


SMCANT-DIFP11


SMCANT-OOM8


SMCANT-KIT

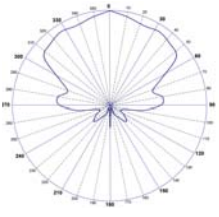

SMCANT-DI215


SMCANT-DIFP18


SMCANT-OOM5P

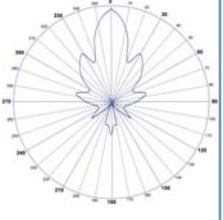

SMCANT-CEILINGBOX

SMCANT-DI105



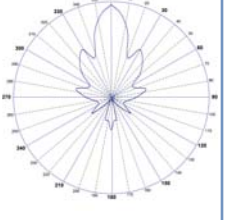
- Frequency: 2.4GHz
- Gain: 10.5 dBi
- Beam Width: 50/50
- Polarization: circular
- VSWR: < 1.22
- FB Ratio: 28 dB
- Impedance: 50 Ohm
- Connector: N-female
- Size: 16.0 x 11.1 x 11.6 cm
- Weight: 312 g

SMCANT-DI135



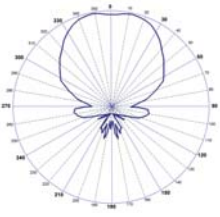
- Frequency: 2.4GHz
- Gain: 13.5 dBi
- Beam Width: 36/36
- Polarization: circular
- VSWR: < 1.22
- FB Ratio: 28 dB
- Impedance: 50 Ohm
- Connector: N-female
- Size: 27.6 x 11.1 x 11.6 cm
- Weight: 553 g

SMCANT-DI145



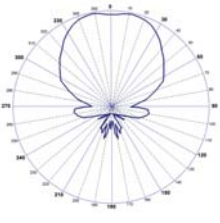
- Frequency: 2.4GHz
- Gain: 14.5 dBi
- Beam Width: 26/26
- Polarization: circular
- VSWR: < 1.22
- FB Ratio: 15 dB
- Impedance: 50 Ohm
- Connector: N-female
- Size: 31.7 x 11.1 x 11.6 cm
- Weight: 652 g

SMCANT-DI215



- Frequency: 2.4GHz
- Gain: 14.5 dBi
- Beam Width: 14/14
- Polarization: circular
- VSWR: < 1.22
- FB Ratio: 25 dB
- Impedance: 50 Ohm
- Connector: N-female
- Size: 61.0 x 45.7 cm
- Weight: 7.7 kg

SMCANT-DIFP18

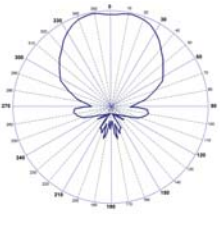


- Frequency: 5GHz
- Gain: 18 dBi
- Beam Width: 20/20
- Polarization: linear, vertical
- VSWR: 2.0 : 1 max.
- Impedance: 50 Ohm
- Connector: N-female

SMCANT-OM5

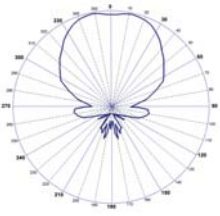
- Frequency: 2.4GHz
- Gain: 5 dBi
- Beam Width: 360
- Polarization: linear vertical
- VSWR: Max. 2:1
- Impedance: 50 Ohm
- Connector: MMCX

SMCANT-DIFP11



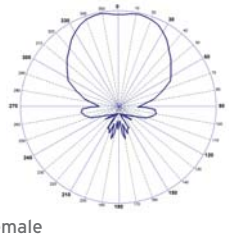
- Frequency: 2.4GHz
- Gain: 11 dBi
- Beam Width: 70/70
- Polarization: circular
- VSWR: < 1.22
- Impedance: 50 Ohm
- Connector: N-female
- Size: 10.2 x 10.2 x 2.5 cm
- Weight: 198 g

SMCANT-OOM5P



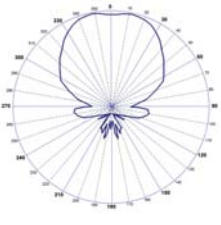
- Frequency: 2.4GHz
- Gain: 5 dBi
- Beam Width: 360
- Polarization: circular
- VSWR: < 1.22
- Impedance: 50 Ohm
- Connector: SMA
- Size: 5.72 x 10.16 x 10.16 cm
- Weight: 227 g

SMCANT-OOM8



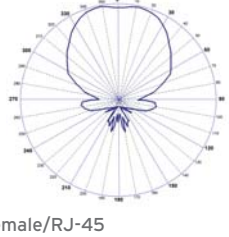
- Frequency: 2.4 GHz
- Gain: 8 dBi
- Beam Width: 360
- Polarization: linear vertical
- VSWR: < 1.22
- Impedance: 50 Ohm
- Connector: N-female

SMCANT-OOM10



- Frequency: 5GHz
- Gain: 10 dBi
- Beam Width: 360/7
- Polarization: linear, vertical
- VSWR: 2.0 : 1 max.
- Impedance: 50 Ohm
- Connector: N-female

SMCANT-CEILINGBOX



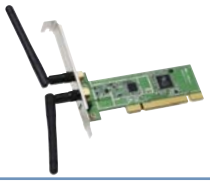
- Frequency: 2.4GHz
- Gain: 5 dBi
- Beam Width: 360
- Polarization: circular
- VSWR: < 1.22
- Impedance: 50 Ohm
- Connector: N-female/RJ-45
- Size: 12.7 x 30.5 x 33.3 cm
- Weight: 7.3 kg

WIRELESS

SMC Networks' wireless networking products offer the convenience of high-speed networking without the costs and inflexibility of cabling infrastructures. As all network managers recognize, a key requirement in today's networks is frequent moves, adds and changes as well as user-mobility. SMC's wireless solutions enable you to meet these needs with a series of wireless devices that are fully compliant with IEEE 802.11b/g wireless networking standards. SMC's products integrate seamlessly with cabled ethernet networks and they also serve as stand-alone wireless LANs for small office or home office environments.

SMC offers a range of PCMCIA, PCI bus and USB wireless devices as well as wireless access points, wireless bridges and antennas for wider area LAN inter-connectivity. To provide secure data transmissions across your wireless network 64-/128-/data encryption is supported as well as other advanced management features. Wireless technology provides the ultimate in user mobility, simple and flexible installation options and a reduced cost of ownership.

SMC wireless devices ship with drivers for all popular network operating systems. Latest drivers are available on www.smc.com. SMC wireless networking products come with a limited lifetime warranty.



EZ Connect™ MIMO
802.11g 54Mbps Wireless PCI Adapter with MIMO Technology

SMCWPCI-GM

FEATURES
- MIMO coverage and speed
- Interoperates with 11b/g products
- IEEE802.11g and 802.11b compliant
- Increased coverage in your home or office
- High data rates at up to 54Mbps
- Up to 1,155 ft. of operating range

SPECIFICATIONS
- PCI 2.1
- 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54Mbps

SECURITY
- 64/128 WEP Encryption
- WPA, WPA-PSK, WPA2, WPA2-PSK
- 802.1x

DRIVER/SOFTWARE
- Windows 98SE/Me; Windows 2000/XP

DIMENSION/WEIGHT
- 134 x 21.6 x 120 mm/5.28 x .85 x 4.72 in
- 80 g, typical/0.18 lbs

EZ Connect™ MIMO
802.11g 54Mbps Wireless Cardbus Adapter with MIMO Technology

SMCWCB-GM

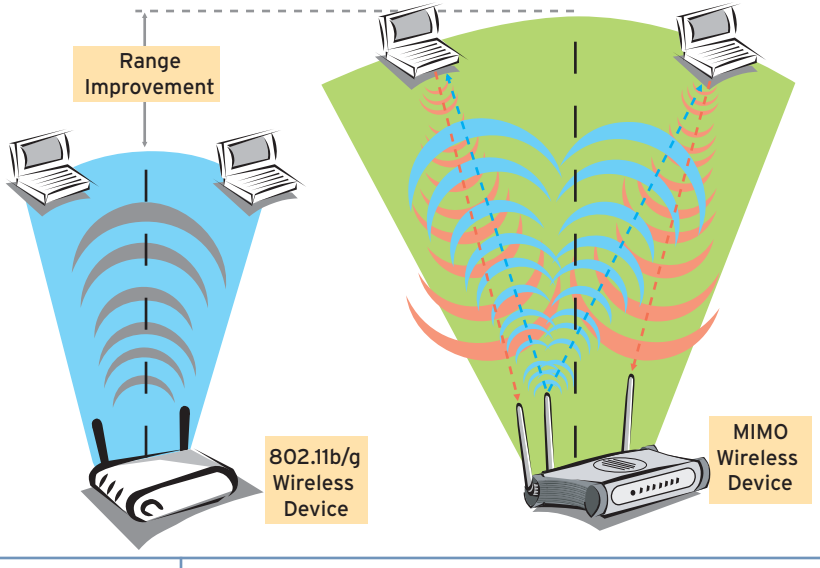
FEATURES
- MIMO coverage and speed
- Interoperates with 11b/g products
- IEEE802.11g and 802.11b compliant
- High data rates at up to 54Mbps
- Up to 1,155 ft. of operating range

SPECIFICATIONS
- 32 bit CARDBUS (68 Pins)
- 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54Mbps

SECURITY
- 64/128 WEP Encryption
- WPA, WPA-PSK, WPA2
- 802.1x

DRIVER/SOFTWARE
- Windows 98SE/Me; Windows 2000/XP

DIMENSION/WEIGHT
- 110 x 54 x 6 mm/4.33 x 2.13 x .24 in
- 39 g/.086 lb



EZ Connect™ g
802.11g 108Mbps Wireless Cardbus Adapter

SMCWCBT-G

EZ installation wizard 15x faster Wi Fi CERTIFIED

FEATURES
- 108G Speeds
- EZ Installation Wizard
- Wi-Fi Protected Access (WPA) Security and 64-bit and 128-bit Protected Access (WEP) encryption
- WLAN Utility

SPECIFICATIONS
- 32-bit Cardbus with PCMCIA Type II
- 108Mbps with Auto Fallback

SECURITY
- 64-/128-BIT Wired Equivalent Privacy (WEP)
- WPA/WPA2

DRIVER/SOFTWARE
- WINDOWS 98SE/ME/2000/XP

DIMENSION/WEIGHT
- 115 X 54 mm/4.5 X 2.125 in
- 45 g/0.10 lbs

FEATURES
- EZ Installation Wizard
- IEEE 802.11g and 802.11b compliant
- High data rates at up to 108Mbps
- 2.4GHz frequency band
- Uses Direct Sequence Spread Spectrum (DSSS) and Orthogonal
- Frequency Division Multiplexing (OFDM) technology
- Supports major Windows operating systems
- Ad-hoc or Infrastructure mode
- 64-bit and 128-bit WEP encryption, Wi-Fi Protected Access (WPA), 802.1x for authentication Site survey utility
- Ability to define multiple Profile settings

SPECIFICATIONS
- PCI v2.2 (5v/3.3v)
- 1/2/5.5/11Mbps
- 6/9/12/18/24/36/48/54Mbps
- SMC 108G – 108Mbps

SECURITY
- 64-bit/128-bit Wired Equivalent Privacy (WEP)
- Wi-Fi Protected Access (WPA)
- Advanced Encryption Standard (AES)
- 802.1x authentication

DRIVER/SOFTWARE
- Windows 98SE/ME/2000/XP
- Configuration Utility for Windows with Site Survey and Profile Management

DIMENSION/WEIGHT
- 13.4 x 12.1 x 2.2 cm/5.25 x 4.75 x .86in
- 85 g/.20lbs

EZ Connect™ g
802.11g 108Mbps
Wireless PCI Card

SMCPCIT-G

EZ installation wizard 15x faster

FEATURES
- EZ Installation Wizard
- IEEE 802.11g and 802.11b compliant
- High data rates at up to 108Mbps
- 2.4GHz frequency band
- Uses Direct Sequence Spread Spectrum (DSSS) and Orthogonal
- Frequency Division Multiplexing (OFDM) technology
- Supports major Windows operating systems
- Ad-hoc or Infrastructure mode
- 64-bit and 128-bit WEP encryption, Wi-Fi Protected Access (WPA), 802.1x for authentication Site survey utility

SPECIFICATIONS
- 108Mbps Wireless Ethernet Bridge/AP with auto fallback
- 1 RJ-45 10/100 Auto MDI/MDI-X LAN port
- RP-SMA connection with detachable antenna

STANDARDS
- IEEE 802.3, 802.3u
- IEEE 802.11b
- IEEE 802.11g
- Platform independent
- Installation wizard for Windows 98SE/Me/2000/XP

DRIVER/SOFTWARE
- Installation/Configuration Wizard

DIMENSION/WEIGHT
- 155 x 130 x 26 mm/6.10 x 5.12 x 1.02 in
- 410 g/1 lbs

EZ Connect™ g
2.4GHz 54Mbps
Wireless Ethernet Bridge

SMCWEBT-G

EZ installation wizard 15x faster Wi Fi CERTIFIED

FEATURES
- 2x USB 2.0 ports for external devices
- UPnP Server
- FTP Service
- Advanced Wireless Security
- Disk Management Tools
- EZ Installation and Use
- 2.5 HDD support

SPECIFICATIONS
- USB2.0 Host
- Fast Ethernet Port
- 802.11G WLAN
- 1/2/5.5/6/9/11/12/18/24/36/48/54Mbps
- with Automatic Fallback

SECURITY
- WEP 64/128-bit encryption
- Wi-Fi Protected Access (WPA/WPA2)

DRIVER/SOFTWARE
- Installation/Configuration Wizard

DIMENSION/WEIGHT
- 162 x 92 x 25 mm/6.38 x 3.6 x 1 in
- 196g/.4 lbs

EZ Connect™ g
Wireless Storage
Network Adapter

SMCWAPS-G

FEATURES
- Bi-Directional support
- 54Mbps Wireless Speed
- Enhanced Security
- Plug-and-Play, no drivers needed
- Easy Setup

SPECIFICATIONS
- 1 USB 2.0 connector
- 54Mbps Wireless LAN (IEEE 802.11b/g) with auto-fallback
- 1 RJ-45 Fast Ethernet connector

SECURITY
- 64-/128-bit WEP
- Wi-Fi Protected Access (WPA/WPA2)

DRIVER/SOFTWARE
- Windows 98SE/ME/2000/XP
- Configuration Utility for Windows & Web-based

DIMENSION/WEIGHT
- 6.8 x 9.2 x 2.8 cm/2.7 x 3.6 x 1 in
- 85 g/.19lbs

EZ Connect™ g
Wireless Print Server
with USB 2.0 Port

SMCWPS-G

EZ Connect™ g 802.11g 54Mbps Wireless Cardbus Adapter

SMCWCB-G

EZ installation wizard | 5x faster | Wi Fi CERTIFIED

FEATURES
- New Improved 54Mbps 802.11g Performance; Interoperates with Wireless-B Products
- EZ Installation Wizard
- High data rates at up to 54Mbps
- 64-bit and 128-bit Protected Access (WEP) encryption and Wi-Fi Protected Access (WPA) Security
- Site survey utility
- Ability to define multiple Profile settings

SPECIFICATIONS
- 32-bit CardBus (PCMCIA Type II)
- 54Mbps Wireless LAN (IEEE 802.11b/g) with auto-fallback
- 2.4GHz frequency band (no FCC license required)

SECURITY
- 64-/128-bit Wired Equivalent Privacy (WEP)
- WPA

DRIVER/SOFTWARE
- Windows 98SE/ME/2000/XP
- Configuration Utility for Windows with Site Survey and Profile Management

DIMENSION/WEIGHT
- 115 x 54 mm/4.5 x 2.125 in
- 45 g/.1 lbs

EZ Connect™ g 802.11g 54Mbps Wireless PCI Card

SMCWPCI-G

EZ installation wizard | 5x faster | Wi Fi CERTIFIED

FEATURES
- New Improved 54Mbps 802.11g Performance; Interoperates with Wireless-B Products
- EZ Installation Wizard
- High data rates at up to 54Mbps
- 64-bit and 128-bit Protected Access (WEP) encryption and Wi-Fi Protected Access (WPA) Security
- Site survey utility
- Ability to define multiple Profile settings

SPECIFICATIONS
- 32-bit PCI v2.2 (3.3V/5V)
- 54Mbps Wireless LAN (IEEE 802.11b/g) with auto-fallback
- 2.4GHz frequency band (no FCC license required)

SECURITY
- 64-bit/128-bit Wired Equivalent Privacy (WEP)
- Wi-Fi Protected Access (WPA)
- Advanced Encryption Standard (AES)
- 802.1x authentication

DRIVER/SOFTWARE
- Windows 98SE/ME/2000/XP
- Configuration Utility for Windows with Site Survey and Profile Management

DIMENSION/WEIGHT
- 13.4 x 12.1 x 2.2 cm/5.25 x 4.75 x .86 in
- 85 g/.20lbs

EZ Connect™ g 2.4GHz 54Mbps Wireless Compact USB 2.0 Adapter

SMCWUSB-G

EZ installation wizard | 5x faster

FEATURES
- EZ Installation Wizard; Plug-and-Play™
- Wireless connectivity via high speed USB 2.0 port
- Compact and sleek design
- IEEE 802.11b and 802.11g compliant, up to 54Mbps wireless LAN
- Robust security features include 64-bit/128-bit WEP encryption, WPA, and the new WPA2
- Profile management and Site Survey

SPECIFICATIONS
- USB 1.0/1.1/2.0
- 54Mbps Wireless LAN (IEEE 802.11b/g) with auto-fallback
- 2.4GHz frequency band (no FCC license required)

SECURITY
- 64/128-bit WEP
- WPA
- WPA2

STANDARDS
- 802.11b, 802.11g
- USB 1.0, 1.1, 2.0

DRIVER/SOFTWARE
- Windows 98SE/ME/2000/XP
- Mac OS X
- Configuration Utility for Windows with Site Survey and Profile Management

DIMENSION/WEIGHT
- 3.5 x 1.125 in/88.9 x 28.5mm
- 0.06 lbs/27g

EZ Connect™ 2.4GHz Directional/Omni Directional Home Antenna

SMCHMANT-4
SMCHMANT-6

FEATURES
- Works with 2.4GHz 802.11 technology to extend your wireless network
- Flexible installation options – place on a desktop or mount to a wall
- Simple and Quick Installation – connects to any 2.4GHz device in 3 steps
- Antenna Extension Cable – 100cm cable included

GAIN
- SMCHMANT-6: 6dBi Directional
- SMCHMANT-4: 4dBi Omni- Directional

BEAM SIZE
- SMCHMANT-4
  - Horizontal: 360°/Vertical: 40°
- SMCHMANT-6
  - Horizontal: 80°/Vertical: 40°

VSWR
- max. 2.0 : 1

IMPEDANCE
- 50 Ohm

CONNECTOR
- RP SMA
- Includes 2 converters for MMCX and TNC connections

DIMENSION/WEIGHT
- SMCHMANT-4:
  - 5.66 x 2.14 x 1.89 in/14.5 x 5.5 x 4.8 cm
  - 180 g/.397 lbs
- SMCHMANT-6:
  - 2.95 x 2.83 x .47 in/7.5 x 7.2 x 1.2 cm
  - 125 g/.28 lbs

BROADBAND ROUTERS

Broadband Internet access at home and/or in the office (via ADSL or cable modem) is set to change the needs of PC and network users. SMC Networks is focused on providing the optimum solutions for users to access and share the Internet; either through easy-to-install routers that connect cable modems or ADSL modems with USB, bridging and/or routing capabilities. We have used our networking expertise to integrate wireless technologies and to offer greater security.

The award-winning SMC Barricade Broadband router family is the ideal all-in-one networking solution for home and small business users allowing the connection of multiple users to the Internet using a single WAN/IP address. These multi-functional broadband routers are variously combined with dual-speed switched ports, Internet firewalls, print servers and Universal Wireless connectivity. SMC's range of Broadband, ADSL and cable products, come with a limited lifetime warranty.

Barricade™MIMO 802.11g Wireless 4-Port Broadband Router with MIMO Technology

SMCWBR14-GM

EZ 3-click installation wizard 5x faster

FEATURES
- MIMO coverage and speed
- Interoperates with 11b/g products
- IEEE802.11g and 802.11b compliant
- 4 x RJ45, 10/100Mbps with Auto-MDI/MDIX
- High level of wireless security with WEP, WPA, 802.1x
- SPI Firewall
- Access Control and URL Blocking
- Installation Wizard

WIRELESS LAN
- 54Mbps Wireless LAN (IEEE 802.11b/g)
- Auto-fallback feature to 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1Mbps
- 2.4GHz frequency band requires no FCC license
- Direct Sequence Spread Spectrum (DSSS)/Orthogonal Frequency Division Multiplexing (OFDM) Smart Antenna Technology for better speed and coverage

PORTS
- 4 x RJ45, 10/100Mbps with Auto-MDI/MDIX
- 1 x RJ45, 10/100Mbps with Auto MDI/MDIX

SECURITY
- WEP encryption, WPA, WPA2 and 802.1x supported

DIMENSION/WEIGHT
- 180 x 138 x 24 mm/7 x 5.5 x 1 in
- 190g/.5 lb

Barricade™g 802.11g 108Mbps High Power Wireless 4-Port Broadband Router

SMCWBR14T-G

EZ 3-click installation wizard 15x faster

FEATURES
- Share your Cable/DSL connection
- EZ 3-Click Installation Wizard
- 802.11g/802.11b compliant High Speed Wireless LAN connection
- 4-port 10/100Mbps Auto MDI-MDIX switch and one detachable antenna
- Stateful Packet Inspection (SPI) Firewall
- Access Control and URL Blocking

WIRELESS LAN
- 108Mbps Wireless Access Point (IEEE 802.11b/g) with auto-fallback
- 2.4GHz frequency band requires no FCC license
- Wireless Distribution System (WDS) for repeating
- Enable/disable WLAN

PORTS
- 4-port 10/100Mbps Switch (RJ-45) with Auto-MDIX
- 1-port 10/100Mbps WAN (RJ-45), connects to a Cable/xDSL modem
- RP-SMA Connector for an external 2.4GHz antenna

SECURITY
- Dynamic IP Address Configuration - DHCP, DNS
- Wireless Security - 64/128-bit WEP/TKIP/AES-CCM/AES-OCB
- 802.1x, SSID broadcast disabled, MAC address filtering
- Firewall - SPI, Access Control, Event Logging
- Virtual Server via NAT
- Virtual Private Network - PPTP, L2TP, IPSec pass-through
- Intrusion Detection, email Alerts, Parental Control
- Wireless Distribution System (WDS)
- DDNS, UPnP, Port Forwarding

DIMENSION/WEIGHT
- 155 x 130 x 26 mm/6.10 x 5.12 x 1.02 in
- 410 g/14.6 oz

Barricade™ Wireless 4-Port Broadband Router

SMCWBR14-G2

EZ 3-click installation wizard

FEATURES
- 4-10/100 LAN Ports
- Integrated 54Mbps 802.11g Wireless Access Point with fixed antenna
- High level of wireless security with WEP, WPA, 802.1x
- SPI Firewall
- Access Control and URL Blocking
- Installation Wizard

WIRELESS LAN
- 54Mbps Wireless Access Point (IEEE 802.11b/g) with auto-fallback
- 2.4GHz frequency band requires no FCC license
- Wireless Distribution System (WDS) for repeating
- Enable/disable WLAN

PORTS
- 10BASE-T/100BASE-TX
- 10BASE-T/100BASE-TX
- 4 RJ-45 ports

SECURITY
- Dynamic IP Address Configuration - DHCP, DNS
- Wireless Security - 64/128-bit WEP/TKIP/AES-CCM/AES-OCB
- 802.1x, SSID broadcast disabled, MAC address filtering
- Firewall - SPI, Access Control, Event Logging
- Virtual Server via NAT
- Virtual Private Network - PPTP, L2TP, IPSec pass-through
- Intrusion Detection, email Alerts, Parental Control
- Wireless Distribution System (WDS)
- DDNS, UPnP, Port Forwarding

DIMENSION/WEIGHT
- 155 x 130 x 26 mm/6.10 x 5.12 x 1.02 in
- 410 g/14.46 oz

FEATURES
- Universal Wireless Support: Compatible with 802.11a, 802.11b, and 802.11g
- High-Speed Wireless Data rates up to 54Mbps – Supports both Turbo A and Super G modes
- Built-in Auto-Sensing 4-Port 10/100 Switch to support wired clients – No Need for Crossover Cables or Uplink Port
- Wireless Security features with 64-/128-bit WEP Encryption, Disable SSID Broadcast, and WPA support
- Advanced Feature set including, Access Rules, Client Application Filtering, MAC Address Filtering, and support for 8 DMZ Hosts
- Fully Configurable Stateful Packet Inspection (SPI) Firewall
- Easily Connect to your Corporate Network using Virtual Private Networking (VPN) – Supports VPN Pass-Through
- Configurable your Barricade Router using a standard a Web Browser, both from your network and remotely over the Internet
- Built in DHCP Server to support up to 253 clients
- Integrated DDNS feature for automatic updating of your WAN IP
- Full Universal Plug and Play Support
- Get alerted when an attempt is made to access your network with the built-in email alert system

WIRELESS LAN
- 54Mbps Wireless LAN (IEEE 802.11b/g)
- Auto-fallback feature to 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1Mbps
- 2.4GHz frequency band requires no FCC license
- Direct Sequence Spread Spectrum (DSSS)/Orthogonal Frequency Division Multiplexing (OFDM)

PORTS
- 4-Port LAN-Switch, 10BASE-T/100BASE-TX (RJ-45) with Auto-MDIX
- 1-Port WAN, 10BASE-T/100BASE-TX (RJ-45) to connect a xDSL-/cable modem
- 1-Port USB 1.1 Print Server (unidirectional)

SECURITY
- 64-/128-bit WEP
- 802.1x (Radius)
- Wi-Fi Protected Access™

DIMENSION/WEIGHT
- 130 x 85 x 32 mm/5 x 1 x .5 in
- 14.08 oz/399.16 g

Barricade™ g
2.4GHz 54Mbps High Power Wireless Router with built in USB Printer Server

SMC2804WBRP-G

EZ 3-click installation wizard 5x faster NITRO

FEATURES
- Four high-speed 10/100Mbps auto-sensing MDIX/MDI ports LAN ports – no crossover cables required
- 10/100Mbps WAN port
- Firewall security through Network Address Translation
- Network Log
- VPN tunneling via L2TP, PPTP, and IPSec pass-through
- Built-in Parallel and USB Print Server

PORTS
- 4-Port/LAN-Switch, 10BASE-T/100BASE-TX (RJ-45) with Auto-MDIX
- 1-Port WAN, 10BASE-T/100BASE-TX (RJ-45) Connects to a Cable/xDSL modem
- 1 USB 1.1 Print Server Port
- 1-Parallel-Port Print Server

SECURITY
- Stateful Packet Inspection (SPI)
- NAT
- Denial of Service (DoS)
- IP/Port/MAC Address/URL Filtering
- Email Alerts
- Multiple login Accounts/Admin and guest account

DIMENSION/WEIGHT
- 9.25 x 5.31 x 1.49 in/ 235mm x 135mm x 38 mm
- 360 g/.8lbs

Barricade™
4-Port Broadband Router with Print Server

SMCBR14UP

EZ 3-click installation wizard

FEATURES
- Firewall security through Network Address Translation
- 4 auto-MDIX/MDI ports – no crossover cables required
- Hacker Attack Logging
- VPN tunneling via L2TP, PPTP, and IPSec pass-through

PORTS
- Four RJ-45 10/100Mbps LAN Ports
- One 10/100Mbps WAN port

SECURITY
- NAT-/SPI-Firewall
- VPN Pass-through (IPSec, L2TP, PPTP)
- MAC address filtering
- URL Blocking
- Hacker-Attack-Logging with E-Mail-Alert

DIMENSION/WEIGHT
- 131.1 x 86 x 32.3 mm/5.16 x 3.39 x 1.27 in
- 190.5g/6.72oz

Barricade™
Cable/DSL 4-Port Broadband Router

SMC7004VBR

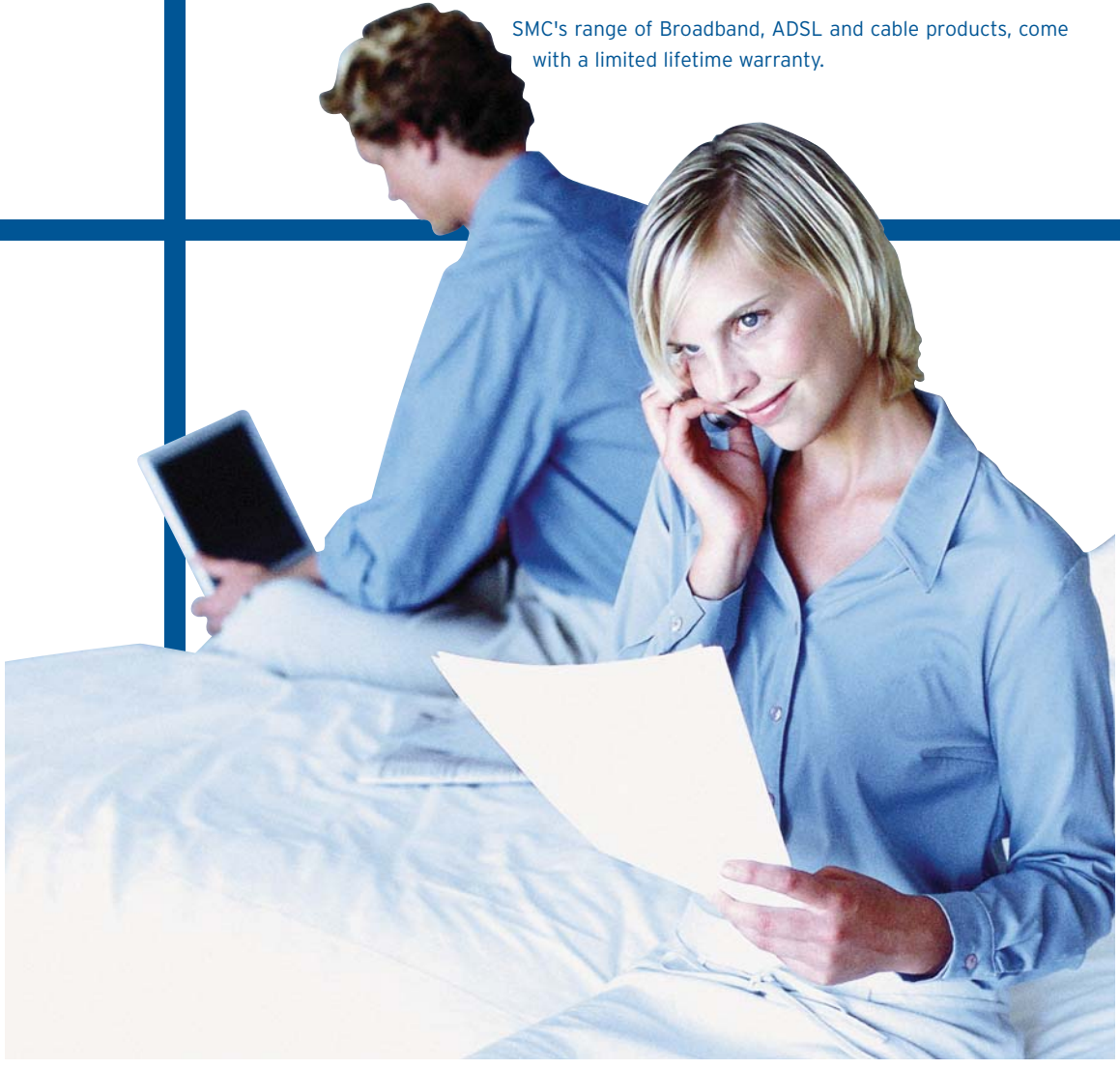
EZ 3-click installation wizard

BROADBAND MODEMS

The high-speed Internet solution to access and share a single Broadband Internet connection at home and/or in the office (via ADSL or cable modem) is set to change the needs of PC and network users. SMC Networks is focused on providing the optimum solutions for users to access and share the internet – either through easy-to-install routers that connect to ADSL or cable modems or ADSL modems with USB, bridging and/or routing capabilities. We have used our networking expertise to integrate wireless technologies and to offer greater security.

SMC also offers a range of ADSL modems for varying applications. Our ADSL modems support a number of connectivity formats including external USB modems, Internal PCI bus modems and external ADSL to bridge/routers. SMC ADSL products are designed and manufactured for compatibility with all major DSLAM vendors and are available for resale by ISP's and Telco's as well as through normal retail reseller channels.

SMC's range of Broadband, ADSL and cable products, come with a limited lifetime warranty.



ADSL2 Barricade™ VoIP 2.4GHz 54Mbps Wireless 4-Port VoIP Router with built-in Annex A ADSL2/2+ Modem

SMC7908VoWBRA

FEATURES
- All-in-one solution for connecting and sharing your ADSL-Broadband connection in your home or office, including switching, Voice over IP, 54Mbps Wireless Access Point, IP Sharing and Firewall
- Simultaneous Internet access for up to 253 PCs on the LAN using only one IP address
- DHCP-Server, Virtual Server, DMZ-Host, Static Route, RIP
- Universal Plug-and-Play (UPnP), Dynamic DNS
- Functions as a Bridge and/or Router

WIRELESS LAN
- 54Mbps Wireless LAN (IEEE 802.11b/g)
- Auto-fallback feature to 48, 36, 24, 18, 12 11, 9, 6, 5.5, 2, 1Mbps
- 2.4GHz frequency band requires no FCC license
- Direct Sequence Spread Spectrum (DSSS)/Orthogonal Frequency Division Multiplexing (OFDM)

VOIP FEATURES
- Supports SIP and H.323 Voice protocols (separate firmware)
- PSTN supplementary services: Call Hold, Call Waiting, Caller ID
- Support for multiple voice codecs: G.711 A/U Law, G.729a, G.723.1
- T.38 Fax
- Quality of Service, Echo cancellation, Jitter buffer
- Mapping of voice and data to separate PVC's
- Support independent dialing plan (E.164)
- DTMF tone generation and relay
- Dynamic pass-through for SIP/H.323 client on LAN

PORTS
- 4-Port LAN-Switch, 10BASE-T/100BASE-TX (RJ-45) with Auto-MDIX
- USB 1.1 Host
- ADSL (RJ-11) - T1.413/G.992.1 G.dmt/G.992.2 G.lite/G.992.3 ADSL2/G.992.5 ADSL2+
- Phone/Fax port (FXS), Line Port (FXO)

SECURITY
- NAT-/SPI-Firewall
- VPN Pass-through (IPSec, L2TP, PPTP)
- MAC address filtering
- URL Blocking
- Hacker-Attack-Logging with E-Mail-Alert
- 64-/128-bit WEP Encryption
- WiFi Protected Access (WPA)
- Port based Authentication to IEEE 802.1x
- Disabled SSID broadcast
- Enable/Disable WLAN
- Authentication for VoIP endpoints, H.323/H.235 and SIP (MD5)

DIMENSION/WEIGHT
- 220 x 133 x 25 mm/8.7 x 5.24 x 1 in
- 370g/.82lbs

ADSL2 Barricade™ g 2.4GHz 54Mbps Wireless Broadband Router with built-in Annex A ADSL Modem

SMC7904WBRA

FEATURES
- All-in-one solution for connecting and sharing your ADSL-Broadband connection in your home or office, including switching, 54Mbps Wireless Access Point, and Firewall
- Simultaneous Internet access for up to 253 PCs on the LAN using only one IP address
- DHCP-Server, Virtual Server, DMZ-Host, Static Route, RIP
- Universal Plug-and-Play (UPnP), Dynamic DNS
- Functions as a Bridge and/or Router

WIRELESS LAN
- 54Mbps Wireless LAN (IEEE 802.11b/g)
- Auto-fallback feature to 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1Mbps
- 2.4GHz frequency band requires no FCC license
- Direct Sequence Spread Spectrum (DSSS)/Orthogonal Frequency Division Multiplexing (OFDM)

PORTS
- 4-Port LAN-Switch, 10BASE-T/100BASE-TX (RJ-45) with Auto-MDIX
- ADSL (RJ-11) - T1.413/G.992.1 G.dmt/G.992.2 G.lite/G.992.3 ADSL2/G.992.5 ADSL2+
- Connects directly to the DSL-Splitter

SECURITY
- NAT-/SPI-Firewall
- VPN Pass-through (IPSec, L2TP, PPTP)
- MAC address filtering
- URL Blocking
- Hacker-Attack-Logging with E-Mail-Alert
- 64-/128-bit WEP Encryption
- WiFi Protected Access (WPA)
- Port based Authentication to IEEE 802.1x
- Disabled SSID broadcast
- Enable/Disable WLAN

DIMENSION/WEIGHT
- 220 x 133 x 25 mm/8.7 x 5.24 x 1 in
- 370g/.82lbs

EZ Connect™ Wireless Cable Gateway

SMC8014WG

* Available in commercial and residential versions
* Also available in wired-only versions

FEATURES
- DOCSIS 2.0 and Cable Home 1.1 certified
- Built-in 802.11b/g 54Mbps wireless
- SPI and Advanced Firewall Protection
- HTTP, Telnet, SSH, and SNMP management
- VPN initiation and termination
- RIP 1 and 2 support

WIRELESS LAN
- 54Mbps IEEE 802.11g Wireless LAN
- Frequency band: 2400-2497 MHz
- 64/128 bit WEP authentication and encryption
- WPA encryption
- MAC Filtering
- SSID Broadcast On/Off
- 54Mbps data rate with fallback rates of 54, 48, 38, 24, 18, 12, 11, 9, 6, 5.5, 2 and 1Mbps

PORTS
- 4 10/100 BASE-TX RJ45
- 1 USB 1.1 Connector Type B
- 1 IEEE 802.11b/g
- Cable Interface F type female 75ohm

SECURITY
- Password protected configuration access
- Stateful Packet Inspection (SPI) Firewall
- Network Address Translation (NAT)
- Application Level Gateways (ALG)
- Intrusion Detection
- Denial of Service (DoS) prevention
- Trojan Horse Prevention
- Smart Tracking
- Domain Validation
- Multiple User Profiles
- Dynamic Address-User Mapping
- Web based authentication
- Comprehensive Logging
- NAT 1-1 Mappings
- VPN Termination
  - IPSec
  - PPTP
  - L2TP

DIMENSION/WEIGHT
- 130 x 85 x 32mm/5.12 x 3.35 x 1.26 in
- 370g/13.05oz

EZ Connect™ Wireless Cable Gateway

SMC8013WG

* Also available in wired-only versions

EZ installation wizard

FEATURES
- Certified DOCSIS 1.1/2.0 cable modem
- Software upgradeable to CableHome 1.0/1.1
- Share your Cable connection across multiple computers
- Supports LAN/WAN RIP v1/v2, Telnet with CLI, and HTTP remote management and configuration options.
- Configurable Access Control rules
- Multiple Login options for both the Service Provider and End User
- HTTP remote management and configuration options
- Advanced SPI Firewall Protection
- VPN tunneling via L2TP, PPTP and IPSec pass-through
- Configurable Port Forwarding, Access Control, Special Application, URL/Keyword Filtering, Static Route, and DMZ rules
- VPN termination via L2TP, PPTP and IPSec
- Backup and Restore Gateway settings

GATEWAY FEATURES
- IEEE 802.1d compliant bridging
- HTTP Remote management with access rules option
- DHCP Client/Server
- DNS Relay
- Comprehensive Logging
- Application Level Gateways (ALG)
- RIP v1/v2 (Commercial)
- Telnet (Commercial)

WIRELESS LAN
- 54Mbps IEEE 802.11g Wireless LAN
- Frequency band: 2400-2497 MHz
- 64/128 bit WEP authentication and encryption
- WPA encryption
- MAC Filtering
- SSID Broadcast On/Off
- 54Mbps data rate with fallback rates of 54, 48, 38, 24, 18, 12, 11, 9, 6, 5.5, 2 and 1Mbps

PORTS
- 1 - F type female 75ohm coax cable connector
- 4 - 10/100 BASE-TX RJ45
- 1 - USB 1.1 Connector Type B

SECURITY
- Password protected configuration access
- Stateful Packet Inspection (SPI) Firewall
- Network Address Translation (NAT)
- Application Level Gateways (ALG)
- Intrusion Detection System (IDS)
- Denial of Service (DoS) prevention
- Smart Tracking
- Domain Validation
- Dynamic Address-User Mapping
- Comprehensive Logging

DIMENSION/WEIGHT
- 10.5 x 8 x 1.64 in/27 x 20 x 4 cm
- 1.35lbs/612g

DOCSIS 2.0 Compliant External Cable Modem

SMC8004CM

EZ installation wizard · 15x faster · Wi Fi CERTIFIED

FEATURES
- DOCSIS 1.1 CableLabs certified
- Software upgradeable to DOCSIS 2.0 with no hardware changes
- Capable of handling downstream data transmission speeds up to 38Mbps; upstream to 30Mbps (64QAM)
- Equipped with TurboDOX™ technology
- Concurrent USB and Ethernet support
- Supports up to 16 simultaneous users
- Comprehensive LED display for easy installation and monitoring
- Compact form factor with horizontal or vertical placement

PORTS
- 1-Port LAN, 10BASE-T/100BASE-TX (RJ-45) with Auto-MDIX, 1-Port USB 1.1 (type-b)

SECURITY
- Baseline Privacy, meets the requirements of DOCSIS 1.0, 1.1, 2.0

DIMENSION/WEIGHT
- 22.9 x 5.08 x 15.74 cm/9.0 x 2 x 6.2 in
- 700g/24.69 oz

FEATURES
- All-in-one solution for connecting and sharing your ADSL-Broadband connection in your home or office, including LAN switching, and Firewall
- Simultaneous Internet access for up to 253 PCs on the LAN using only one IP address
- DHCP-Server, Virtual Server, DMZ-Host, Static Route, RIP
- Universal Plug-and-Play (UPnP), Dynamic DNS
- Functions as a Bridge and/or Router

PORTS
- 4-Port LAN-Switch, 10BASE-T/100BASE-TX (RJ-45) with Auto-MDIX
- ADSL (RJ-11) - T1.413/G.992.1 G.dmt/G.992.2 G.lite/G.992.3 ADSL2/G.992.5 ADSL2+
- Connects directly to the DSL-Splitter

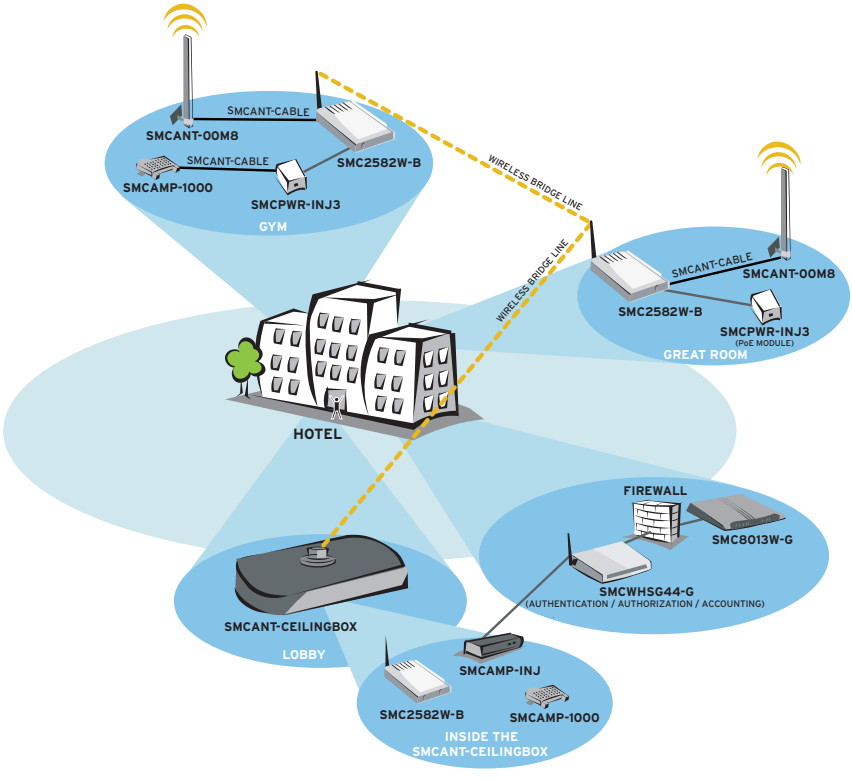
SECURITY
- NAT-/SPI-Firewall
- VPN Pass-through (IPSec, L2TP, PPTP)
- MAC address filtering
- URL Blocking
- Hacker-Attack-Logging with E-Mail-Alert

DIMENSION/WEIGHT
- 1.1 x 6.1 x 5.04 in/28 x 155 x 128 mm
- 450 g/1 lb

ADSL2 Barricade™
4-Port Router with Built-in Annex A ADSL2 Modem

SMC7904BRA

ENTERPRISE WIRELESS / HOSPITALITY APPLICATION



FEATURES
- All-in-one solution for connecting and sharing your ADSL-Broadband connection in your home or office, and Firewall
- Simultaneous Internet access for up to 253 PCs on the LAN using only one IP address
- DHCP-Server, Virtual Server, DMZ-Host, Static Route, RIP
- Universal Plug-and-Play (UPnP), Dynamic DNS
- Functions as a Bridge and/or Router

PORTS
- 1-Port LAN, 10BASE-T/100BASE-TX (RJ-45) with Auto-MDIX, 1-Port USB 1.1 (type-b)
- ADSL (RJ-11) - T1.413/G.992.1 G.dmt/G.992.2 G.lite/G.992.3 ADSL2/G.992.5 ADSL2+
- Connects directly to the DSL-Splitter

SECURITY
- NAT-/SPI-Firewall
- VPN Pass-through (IPSec, L2TP, PPTP)
- MAC address filtering
- URL Blocking
- Hacker-Attack-Logging with E-Mail-Alert

DIMENSION/WEIGHT
- 5.12 x 2.56 x 3.94 in/130 x 65 x 95 mm
- 230 g/.506 lb

ADSL2 Barricade™
2-Port Router with built-in Annex A ADSL2 Modem

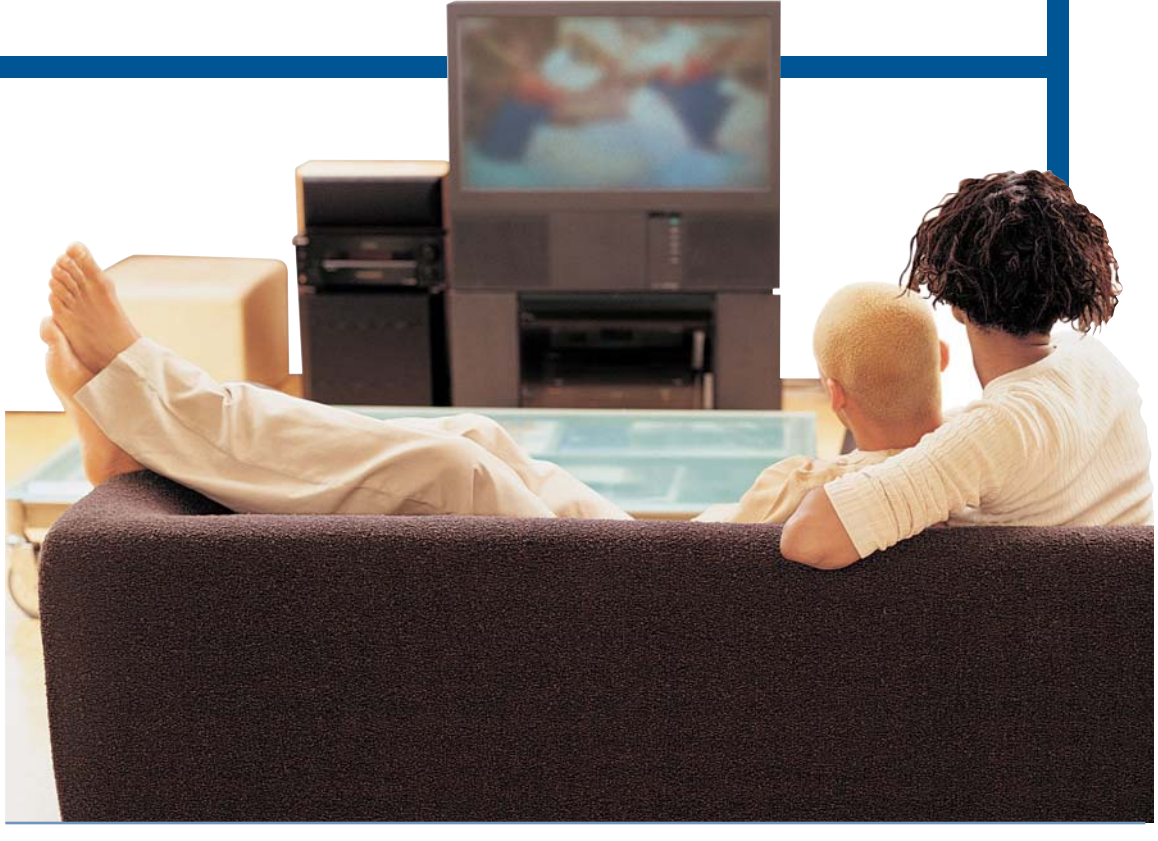
SMC7901BRA

HOME ENTERTAINMENT NETWORKING

SMC Networks offers home and small office users the ideal combination in feature-rich networking functionality, high performance and value-for-money. The expanding home and small office sector is a demanding market whose needs are driven by the increasing mobility of computer users, the increase in working from home, the need for internet access and sharing as well as the growth in the leisure computer market e.g. gaming.

SMC provides answers for every need, from simple USB networking cables to network kits, switches and wireless networking devices. All our products are plug-and-play and come with an easy-to-understand Quick Start manual that allows even beginners to set up a network in minutes. Once all of the hardware has been connected and the software has been set up, you can start to share files, internet access and peripherals like printers, modems and scanners. SMC networking products will reduce or eliminate the expense of purchasing additional computer peripherals allowing you to share existing devices. And when the serious business is taken care of, you can always have some fun and play networked games with friends and family!

All these products are available with drivers for all popular network operating systems. Latest drivers are available on www.smc.com. All SMC home and small office products come with a limited lifetime warranty.



FEATURES
- High speed wireless operation up to 54Mbps in 802.11g with auto-fallback feature
- User-friendly Web-based status and LCD
- Easily access music and Internet radio directly from your home entertainment center
- 30-day free trial of RHAPSODY™ Digital Music Service included (US only)
- Playback MP3 and WMA songs stored on your computer
- Works with WindowsMedia Connect™

INTERFACE
- Wireless Network: 802.11g
- Wired Network: 1 RJ-45/Cat-5
- Audio Out: Dual RCA audio L/R
- LCD matrix: 2.29 x 7.4 in/74 x 3.65 mm

PORTS
- RJ-45
- Audio Out: Dual RCA audio L/R

SECURITY
- 64-bit/128-bit Wired Equivalent Privacy (WEP)
- Wi-Fi Protected Access (WPA)

DIMENSION/WEIGHT
- 6.22 x 3.86 x 1.18 in/158 x 98 x 30 mm
- 11oz/306g

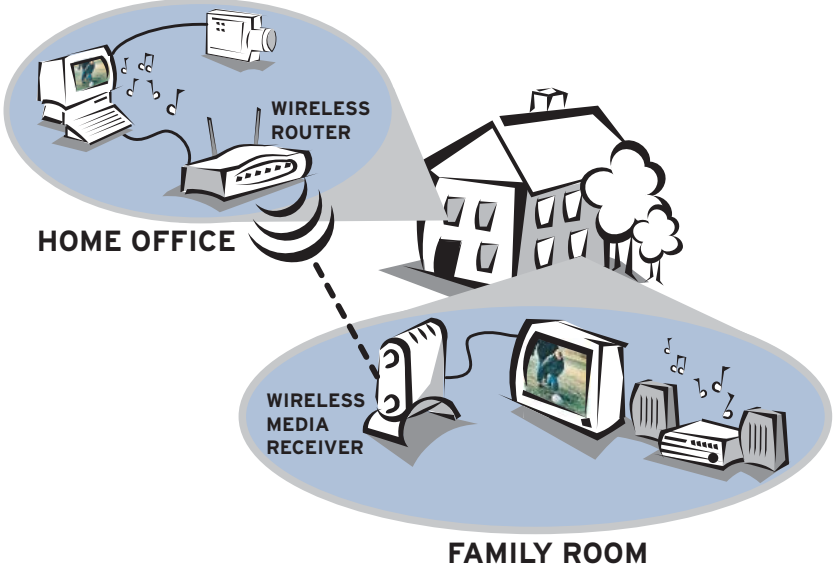
EZ-Stream™ 802.11g Wireless Audio Adapter

SMCWAA-G

EZ installation wizard

musicmatch

Rhapsody READY



FEATURES
- Flexible, Versatile and Universal -802.11a, 802.11b, and 802.11g wireless standards compliant
- Supports MPEG-1, MPEG-2, MPEG-4, DIVX 4, DIVX 5, XViD, MP3, JPEG, BMP and Internet Radio
- EZ Installation Wizard
- User-friendly Web-based management and TV user interface
- Support Secure Wireless Connections

PORTS
- 1-Port 10BASE-T/100BASE-TX (RJ-45)
- 802.11a/b/g
- Composite Video Blanking Signal
- PAL/NTSC/SECAM
- RCA connector (yellow)
- Audio: Analog Audio left and right RCA red (right), RCA white (left)

SECURITY
- 64-bit, 128-bit WEP Encryption

DIMENSION/WEIGHT
- 6.45 x 6.38 x 2.75 in/ 16.38 x 16.21 x 6.99 cm
- 320 g/11.25 oz

EZ-Stream™ Universal 2.4GHz/5GHz Wireless Digital Multimedia Receiver

SMCWMR-AG

musicmatch

LAPTOP EDITORS' CHOICE

NETWORK ADAPTER

As a major vendor of network adapter cards, SMC Networks has a reputation for offering a full range of value-for-money products. Whether yours is a complex, multi-platform, multi-operating system installation with high traffic volumes and management requirements or a small PC network at home - SMC has a network card to meet your needs.

SMC's network interface cards set new standards in Ethernet, Fast Ethernet and Gigabit Ethernet performance. Our high-speed network interface cards are available with 16-bit, 32-bit or 64-bit bus performance utilizing SMC's leading-edge ASIC technology to ensure high performance, reliability, and ease of installation. All adapters conform to IEEE standards. They feature Auto-Negotiation for automatic selection of the highest data rate and operating mode supported by the attached device as well as features such as wake-on-LAN and other more advanced management and performance features. All adapters ship with drivers for popular network operating systems. SMC continuously updates and upgrades it's adapter card drivers to ensure optimum performance with the latest changes and upgrades to major network operating systems - latest drivers are available on www.smc.com. All SMC network cards come with a limited lifetime warranty.

FEATURES
- Complies with 802.3ab 1000Base-T, 802.3u 100Base-TX Standards
- Full Duplex and Auto-negotiation
- Marvell® Virtual Cable Tester™ for advanced cable diagnostics
- IP Checksum Offloading
- PCI Bus, supporting 33/66 MHz speed and 32-bit data transfer size
- Jumbo Frame support
- Quality of Service (QoS) and Virtual LAN support

PORTS/INTERFACE
- 1-port 10/100/1000Mbps (RJ-45), Auto-Negotiation
- 32-bit 33/66 MHz PCI v2.2

MANAGEMENT
- Wake-on-LAN Support
- Supports VLANs (IEEE 802.1Q)
- Layer-2 Quality of Service (IEEE 802.1p)

DRIVERS/SOFTWARE
- Windows 9x, Me, NT, 2000, XP
- Netware 4.2,5.0,6.0
- Linux 2.2.x or later

DIMENSION/WEIGHT
- 4.72 x 1.97 in/120 x 50 mm (without bracket)
- 1.89 oz/53.58 g

EZ Card™ 1000
32-bit Copper Gigabit PCI Card

SMC9452TX-1

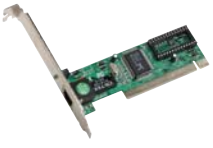
FEATURES
- 32-bit PCI bus-master architecture
- Dual-speed 10/100Mbps
- Diagnostic LEDs
- Wake-on-LAN
- Wired for Management

PORTS/INTERFACE
- 1-port 10/100Mbps (RJ-45), Auto-Negotiation
- 32-bit 33 MHz PCI v2.2

MANAGEMENT
- ACPI (Advanced Configuration and Power Interface)
- Wake-on-LAN remote power-on for resource management
- MagicPacket and link status change support
- OnNow/PC99/2001 Instant On Functionality
- Full Duplex Flow Control (IEEE 802.3x)
- On-board socket for optional Boot-ROM (PXE/RPL)

DRIVERS/SOFTWARE
- Windows 9x, ME, NT, 2000, XP
- Dos (NDIS2, ODI, Packet)
- Novell Netware 3.12, 4.x, 5.x, 6.0
- Linux, SCO Unix, Unixware 7
- Mac OS
- Latest drivers available on www.smc.com

DIMENSION/WEIGHT
- 4.72 x 1.69 in/119.92 x 42.98 mm (without bracket)
- 45 g/1.6 oz



EZ Card™
Fast Ethernet PCI Adapter

SMC1255TX-1

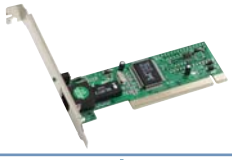
FEATURES
- 32-bit PCI bus-master architecture
- Dual-speed 10/100Mbps
- EZ Installation Wizard
- Diagnostic LEDs

PORTS/INTERFACE
- 1-port 10/100Mbps (RJ-45), Auto-Negotiation
- 32-bit 33 MHz PCI v2.2

MANAGEMENT
- Full Duplex Flow Control (IEEE 802.3x)
- Wired for Management (WfM) 2.0
- Plug-and-Play Installation
- LEDs: Link, Activity, 10/100

DRIVERS/SOFTWARE
- Windows 9x, ME, NT, 2000, XP
- Dos (NDIS2, ODI, Packet)
- Novell Netware 3.12, 4.x, 5.x
- Linux, SCO Unix 5, Unixware 7
- MacOS 9.x, 10.1, 10.2
- Latest drivers available on www.smc.com

DIMENSION/WEIGHT
- 4.72 x 1.62 in / 11.92 x 4.11 cm
- 45 g / 1.6 oz



EZ Card™ 10/100
Fast Ethernet PCI Card

SMC1244TX-1

FEATURES
- High-speed 16-bit or 32-bit PCI bus performance for notebooks
- EZ Installation Wizard
- Innovative fixed-port (dongleless) construction
- Supports major operating systems

PORTS/INTERFACE
- Wake-on-LAN Support
- Supports VLANs (IEEE 802.1Q)
- Layer-2 Quality of Service (IEEE 802.1p)

DRIVERS/SOFTWARE
- Novell Netware 3.x, 4.x (SMC8041TX V.2)
- Microsoft LAN Manager
- Dos, WfW: NDIS2 and ODI support
- Windows 3.1, 9.x, NT, 2000, XP, ME
- Latest drivers available on www.smc.com

DIMENSION/WEIGHT
- 10.8 x 5.4 cm/4.25 x 2.125 in
- 36 g/1.27 oz

EZ Card™ 10/100
Fast Ethernet PC Card & CardBus Adapter

SMC8041TX/SMC8036TX

EZ Networking™ Compact USB 10/100Mbps Fast Ethernet Adapter

SMC2208USB/ETH

FEATURES
- USB specification 1.0, and 1.1 for standards-based compliance to ensure compatibility
- EZ Installation Wizard
- Sleek, compact, and dongleless design
- USB bus self-powered
- Supports major operating systems

PORTS
- 1-Port 10BASE-T/100BASE-TX (RJ-45)
- 1-Port USB Type A

DRIVERS/SOFTWARE
- Windows 98, ME, 2000, XP, SE
- Linux Kernel v.2.4.x or later
- Latest drivers available on www.smc.com

DIMENSION/WEIGHT
- 74.5 x 28.1 x 15.1 mm/2.9 x 1.1 x 0.59 in
- 7.1g/.25 oz

EZ Networking™ Compact USB 2.0 to 10/100Mbps Fast Ethernet Adapter

SMC2209USB/ETH

FEATURES
- USB specification 1.0, 1.1, and 2.0 for standards-based compliance to ensure compatibility
- USB 2.0 high speed 480Mbps performance
- EZ Installation Wizard
- Sleek and compact design
- 10/100Mbps Auto-negotiation
- Full Duplex

PORTS
- 1-Port 10BASE-T/100BASE-TX (RJ-45)
- 1-Port USB Type A

DRIVERS/SOFTWARE
- Windows 98, ME, 2000, XP, SE
- Linux Kernel v.2.4.x or later
- Latest drivers available on www.smc.com

DIMENSION/WEIGHT
- 74.5 x 28.1 x 15.1 mm/2.9 x 1.1 x 0.59 in
- 7.1g/.25 oz

EZ Connect™ 14Mbps/85Mbps Powerline to Ethernet/USB Desktop Adapter

SMCHP1D-ETH/ SMCHP1D-USB/ SMCHT-ETH

FEATURES
- HomePlug 1.0 Compatible
- No New Wires Required – uses existing wiring in your home
- Data transfer rates up to 14Mbps
- Plug-and-Play Installation
- Easy-to-Read Diagnostic LEDs
- 56-Bit Data Encryption Standard (DES)
- Innovative Compact Desktop design that goes where bulky wall mounted adapters won't fit.
- Auto-sensing and rate-adaptive technology to minimize interference from other house hold appliances and maintain high performance.
- EZ Install Wizard for easy setup and configuration

PORTS
- SMCHP1D-USB
  - One 12Mbps USB V1.1
  - One 14Mbps PowerLine port Compliance HomePlug V1.01
- SMCHP1D-ETH
  - One RJ-45 (10/100BASE-T Ethernet)
  - One Electrical Plug (Powerline Ethernet) that included UL or Europe or 3-PIN AC-JAC
- SMCHT-ETH
  - 1-port 10/100Mbps (RJ-45)
  - 1-port Powerline

SECURITY
- 56-bit DES Encryption

DRIVER/SOFTWARE
- SMCHP1D-USB/SMCHP1D-ETH
  - Windows 98/ME/2000/XP
  - Connection Manager for Windows 98SE/ME/NT/2000/XP, Mac OS 9.x/10.1.x
- SMCHT-ETH
  - Windows 98/ME/2000/XP
  - Connection Manager for Windows 98SE/ME/NT/2000/XP

DIMENSION/WEIGHT
- 3.05 x 4.53 x .98 in/7.75 x 11.5 x 2.5 cm
- 130 g/4.6 oz

SUPPORT & SERVICE

Technical Support

SMC Networks' manufacturing and design centers are ISO 9001 certified. We have excellent operational teams that are committed to ensuring you receive products of the highest quality and reliability.

SMC Networks backs its high quality manufacturing with a warranty and support policy that is second to none. SMC offers customers FREE pre-and post-sales technical support

TECHNICAL SUPPORT CONTACT
phone: 1-800-SMC-4-YOU
e-mail: techsupport@smc.com
For more information please visit **www.smc.com**

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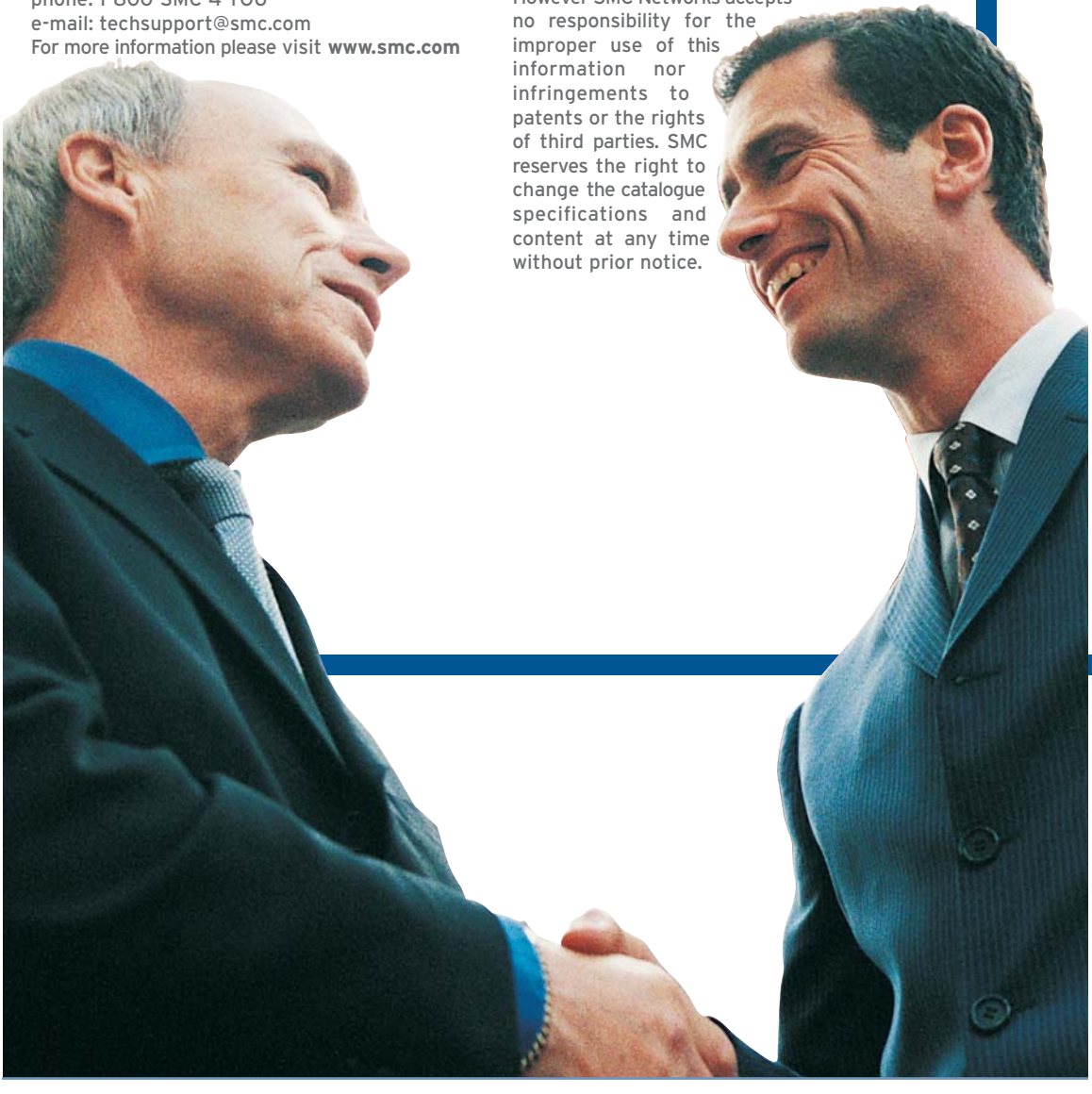
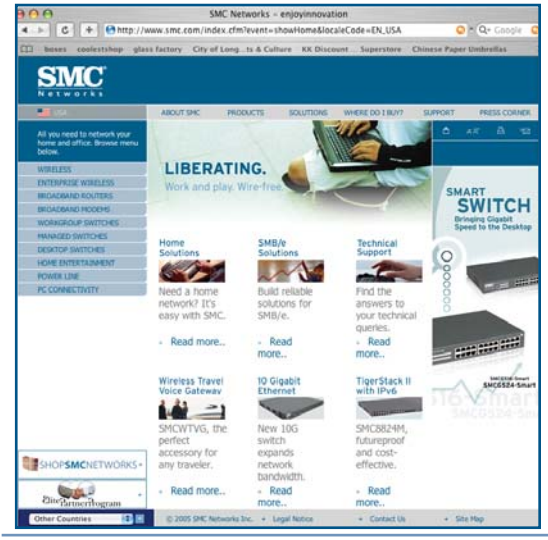




SMC NETWORKS WEBSITE

SMC Networks' world wide web site, www.smc.com, provides you with all the resources you need to fully understand SMC's products and services. Updated firmware and drivers for all our products are available as well as FAQs, white papers and a full SMC knowledge base. We invite you to register your new SMC product using our on-line registration form. You will also find contact numbers for our sales and technical support offices, necessary information on technical issues, and information on all the latest products.

Worldwide Website: **http://www.smc.com**

NET PROTECT

The SMC NetProtect Program gives you the flexibility to provide the level of service and support that's right for your customer.

SMC Net Protect Program is designed to expedite the shipment of an SMC factory refurbished product in exchange for a defective SMC product.

The program offers three different Levels for select SMC Products:

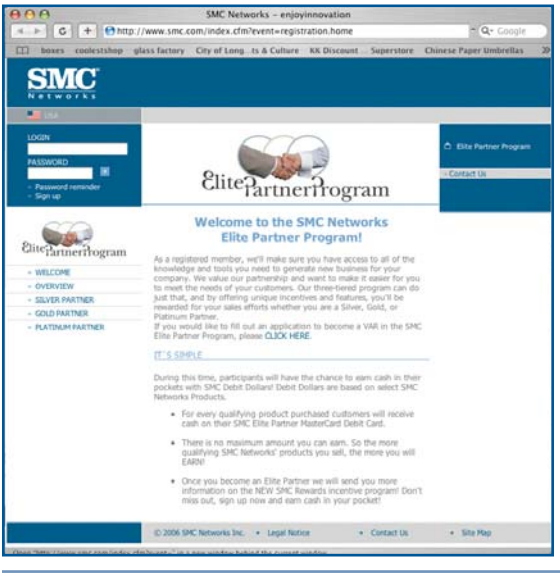
MSRP	Level of Support
$199	Next day replacement
$299	8 hour replacement
$399	4 hour replacement

In the unlikely event that any of the products fail, you or your customer is just a phone call away from a replacement unit.

- SMC Networks will replace the faulty unit based on the level of service purchased.
- The defective unit will be shipped back to SMC Networks once the customer receives the replacement unit.
- The replacement unit will then be covered for the balance of the period remaining on the original NetProtect Service Agreement.

For more information contact your SMC Sales representative at 1-800-SMC-4-YOU

ELITE PARTNER PROGRAM OVERVIEW



SMC Networks believes in the value of business partners, which is why we are confident you will find this award-winning program very beneficial to you and your organization. In fact, at SMC, our whole ethos is built around developing and maintaining jointly profitable business relationships. We recognize that our partners are crucial to our success and therefore strive to provide the optimum level of service and support with the maximum number of benefits possible.

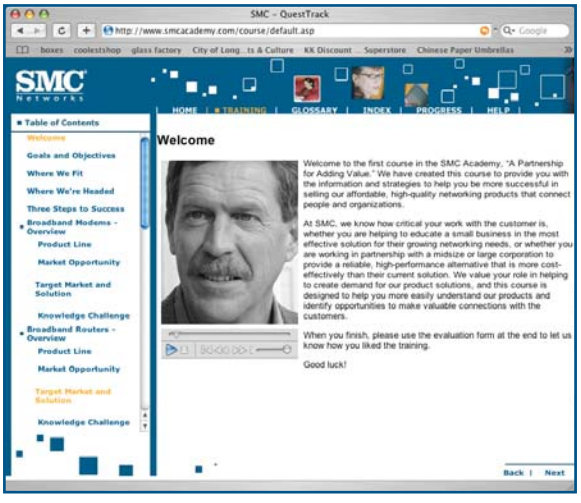
The SMC Networks ELITE PARTNER PROGRAM is the key vehicle by which SMC Networks and our business partners operate and deliver total customer solutions.

The ELITE PARTNER PROGRAM consists of three levels: Sliver, Gold, and Platinum. Partners are qualified at each level according to their commitment to, and business with, SMC Networks.

To apply to join the ELITE PARTNER PROGRAM, please complete the on-line application form available on **www.smc.com**.

SMC ACADEMY

At SMC, we know how critical your work with the customer is, whether you are helping to educate a small business in the most effective solution for their growing networking needs, or whether you are working in partnership with a midsize or large corporation to provide a reliable, high-performance alternative more cost-effectively than their current solution. We value your role in helping to create demand for our product solutions, and this course is designed to help you more easily understand our products and identify opportunities to make valuable connections with the customers. If you are new to SMC products, this course will provide the basics: our core product lines, the key benefits of our innovative networking technologies, and the best way to sell our products.



We expect that you already know a great deal about networking technologies, but to help you along we've provided key terms to help guide your understanding of SMC product features and benefits.

At the end of each product section, we present you with a short quiz to help reinforce your learning. When you finish the training, please use the evaluation form at the end to let us know how you liked it.

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10BASE5: IEEE 802.3
A short distance data communications network (typically within a building or campus) used to link together computers and peripherals under a standard protocol. LAN users can access a centralized database and shared resources, as well as send electronic mail to other LAN users.

10BASE-FL
Specification for 10Mbps Ethernet over Glass fiber-cable with asynchronous transmission (IEEE 802.3).

100BASE-FX
Specification for 100Mbps Fast-Ethernet over glass fiber-cable. The signals are unscrambled and 4B5B coded (IEEE 802.3).

1000BASE-LX
Specification for 1000Mbps Gigabit Ethernet over Multimode and Monomode Glass fiber at 1300nm. (LX=Long Wavelength) (IEEE 802.3z)

1000BASE-SX
Gigabit Fiber which uses short-wavelength laser specification. Operates over multimode fiber, up to 500 meters.

10BASE-T
Specification for 10Mbps Ethernet over Category-3 or better Twisted-Pair copper-cable and max. 100m length (IEEE 802.3).

100BASE-T4
Specification for 100Mbps Fast-Ethernet over Category-3 or better Twisted-Pair cable. All 4 pairs (8 conductors) are used for the transmission; Full Duplex with 200Mbps is not supported (IEEE 802.3).

100BASE-TX
Specification for 100Mbps Fast-Ethernet over Cat-5 or better Twisted-Pair cable. The signals are unscrambled and "4B5B coded, Full-Duplex with 200Mbps is also possible, like auto-sensing for 10/100Mbps identifying and running (IEEE 802.3).

ACCESS POINT
Wireless LAN device that transports data between a wireless network and a wired network (infrastructure). It is a transceiver that connects the wired LAN with wireless clients.

AD-HOC NETWORK
A wireless network composed of stations without Access Points.

ADAPTER
A computer add-in board device used to connect end user nodes to the network; each contains an interface to a specific type of workstation or system bus, e.g. EISA, ISA, MCA, PCI, etc.

ADAPTIVE CUT-THROUGH
A forwarding switch cut through technology that adapts its data forwarding process (Cut-Through, Fragment-Free, Store & Forward) according to the data error rate within the network.

ARP (ADDRESS RESOLUTION PROTOCOL)
TCP/IP Interior Gateway Protocol for dynamically mapping Internet addresses to physical hardware addresses on LANs; limited to LANs that support hardware broadcast.

ASYNCHRONOUS TRANSFER MODE (ATM)
A specific packet oriented transfer mode using asynchronous time division multiplexing technique: the multiplesec information flow is organized in fixed blocks called cells (Also called cell-relay).

ATM (ASYNCHRONOUS TRANSFER MODE)
A high-speed, connection-oriented switching technology that can transmit voice, video, and data traffic simultaneously through fixed-length packets called cells.

ATTACHMENT UNIT INTERFACE (AUI)
Connector found on many network cards and 10BASE-T hubs, used to attach yellow cable via a transceiver.

AUTO MDI-X TECHNOLOGY
Using this, the switch will automatically detect the signals from the wire as either send or receive and correct for this by either crossing the send and receive wires or leaving them alone.

AUTO-NEGOTIATION
A signalling method that allows each node to define its operational mode (e.g., 10Mbps or 100Mbps and to detect the operational mode of the adjacent node.

AUTO-SENSING
Procedure for defining connection-speed for 10/100Mbps Ethernet devices and Ethernet transceivers.

BACKBONE
Critical part of the network - Usually runs at higher speeds than the rest of the network.

BACK-PRESSURE
A technology that prevents data collisions when the network line is busy.

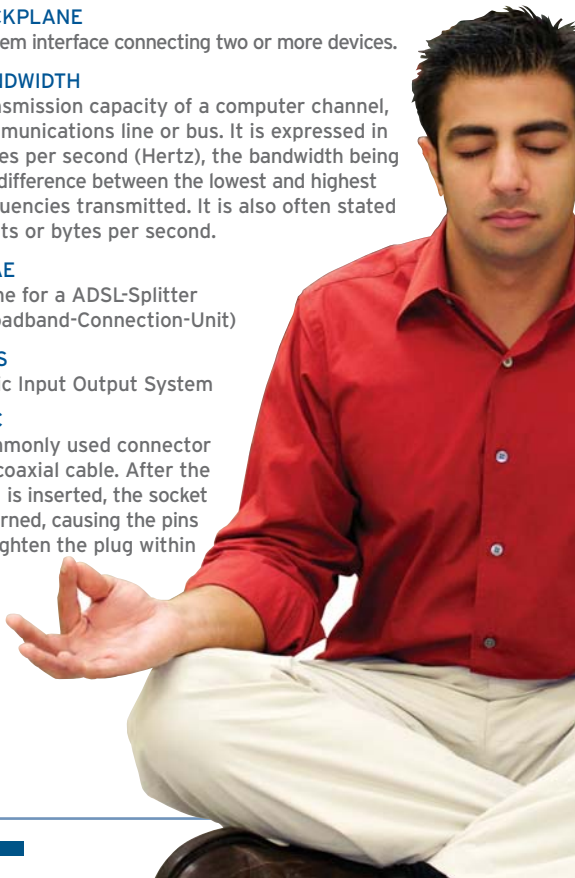
BACKPLANE
System interface connecting two or more devices.

BANDWIDTH
Transmission capacity of a computer channel, communications line or bus. It is expressed in cycles per second (Hertz), the bandwidth being the difference between the lowest and highest frequencies transmitted. It is also often stated in bits or bytes per second.

BBAE
Name for a ADSL-Splitter (Broadband-Connection-Unit)

BIOS
Basic Input Output System

BNC
Commonly used connector for coaxial cable. After the plug is inserted, the socket is turned, causing the pins to tighten the plug within it.



BOOTROM (OR BOOTPROM)
A chip installed on the network card that typically contains networking software to start a remote-boot client.

BOOTP (BOOT PROTOCOL)
Protocol used for the static assignment of IP addresses to devices on the network.

BPSK (BINARY PHASE SHIFT KEYING)
Modulation technique used by IEEE 802.11-compliant wireless LANs for transmission at 1Mbps.

BRIDGE
A bridge is an alternative to connecting two or more separate LANs with cable. With a wireless bridge you gain wireless connectivity between two or more remote LANs.

BROADCAST STORM
Multiple simultaneous broadcasts that absorb available network bandwidth and can cause network time-outs.

BROWSER
In brief, a browser is your interface to the World Wide Web; it interprets hypertext links and lets you view sites and navigate from one Internet node to another. Among the companies that produce browsers are e.g. Netscape, and Microsoft, as well as commercial services like CompuServe, Prodigy, and America Online.

BUS
An electrical connection which allows two or more lines to be connected together. Circuit cards with the proper address will be able to access the appropriate information from the bus, as the same information travels to all destinations.

CARDBUS
Cardbus is a specification that allows PCMCIA cards to transfer data at rates exceeding 100Mbps. Older, 16-bit PCMCIA cards transfer data at a rate of 20MB/sec.

CARRIER
This is another name for a phone connection. When you see the external modem light labeled CD flash, you know the modem is receiving a carrier detect (CD) signal, and that it's hooked up to another computer.

CBR (CONSTANT BIT RATE)
CBR is related to Class A Quality of Service and often associated with premium transmission service.

CCK (COMPLEMENTARY CODE KEYING)
CCK is the coding method associated with IEEE 802.11b wireless devices.

CCK-OFDM
An optional transmit mode defined by the IEEE802.11g standard that combines the access modes of IEEE 802.11a and IEEE 802.11b; capable of supporting transmission speeds of up to 22Mbps.

CHAP (CHALLENGE HANDSHAKE AUTHENTICATION PROTOCOL)
Security feature supported on lines using PPP encapsulation that prevents unauthorized access. CHAP does not itself prevent unauthorized access, it merely identifies the remote end. The router or access server then determines whether that user is allowed access.

CLASS I REPEATER
Fast Ethernet repeater that performs translations when transmitting or repeating incoming signals to enable different physical media to be connected to the same collision domain; which may have a MII interface.

CLASS II REPEATER
Fast Ethernet repeater that immediately transmits or repeats incoming signals to other devices on identical media.

COMBINATION CARDS
Combo cards are a class of EN1650 cards that combine two or more functions in one card, there by extending the applications available from the single slot found in most platforms. The most common are data/fax modems combined with network interface cards (NICs).

CSMA/CA (CARRIER SENSE MULTIPLE ACCESS/ COLLISION AVOIDANCE)
Multiple access scheme that uses Direct Sequence Spread Spectrum (DSSS) code sequences as traffic channels in a common radio channel.

CSMA/CD
(Carrier Sense Multiple Access/Collision Detection) Baseband communications access method that uses a collision-detection technique. When a device wants to gain access to the network, it checks to see if the network is free. If it is not, it waits for a random amount of time before retrying. If the network is free and two devices attempt access at exactly the same time, they both back off to avoid a collision and each wait a random amount of time before retrying.

CUT-THROUGH
A type of forwarding method used in switches that allows data to be forwarded through without any checks due to the low error rate of the network.

DAISY CHAIN
Arrangement of computer components connected in series, one after the other.

DATA PACKET
Although your computer and modem can send data one character at a time, when you're surfing the Internet, downloading files, or sending email, it's more efficient to send information in larger blocks called data packets. Modems generally send packets of around 64 characters along with some extras for error checking. When using Internet protocols such as TCP/IP, the packets are around 1,500 characters large.

DB CONNECTOR (DATABASE BUS CONNECTOR)
Type of connector used to connect serial and parallel cables to a data bus. DB connector names are of the format DB-x, where x represents the number of wires within the connector. Each line is connected to a pin on the connector, but in many cases, not all pins are assigned a function. DB connectors are defined by various EIA/TIA standards.

DBI
Ratio of decibels to an isotropic antenna that is commonly used to measure antenna gain. The greater the dBi value, the higher the gain, and the more acute the angle of coverage.

DHCP
Dynamic Host Configuration Protocol - Allocates IP addresses automatically.

DIRECT SEQUENCE SPREAD SPECTRUM (DSSS)
A type of spread spectrum radio transmission that spreads its signal continuously over a wide frequency band.

DIVERSITY ANTENNAS
An intelligent system of two antennas that continually senses incoming radio signals and automatically selects the antenna best positioned to receive it.

DMZ (DEMILITARIZED ZONE)
A neutral zone or buffer that separates internal and external networks. The DMZ usually exists between two firewalls. External users can access servers in the DMZ, but not the computers on the internal network. The servers in the DMZ act as an intermediary for both incoming and outgoing traffic.

DNS
Domain Name Server - resolves Ip addresses into names

DONGLE
A device that prevents the unauthorized use of hardware or software. A dongle usually consists of a small cord attached to a device or key that secures the hardware. The term is also used to signify a generic adapter for peripherals

DOS (DENIAL OF SERVICE)
A DoS attack floods a network with an overwhelming amount of traffic, slowing its response time for legitimate traffic or grinding it to a halt completely.

DSL TECHNOLOGY
DSL technology uses the existing copper pair wiring that exists in almost every home and office. Special hardware attached to both the user and switch ends of line allows data transmission over the wires at far greater speed than the standard phone wiring.

DSLAM (DIGITAL SUBSCRIBER LINE ACCESS MULTIPLEXER)
Network device, usually at a telephone company central office, that receives signals from multiple customer Digital Subscriber Line (DSL) connections and puts the signals on a high-speed backbone.

DUPLEX
If you have a communications line that lets you send and receive data (or talk and listen) at the same time, it's duplex.

DVMRP (DISTANCE VECTOR MULTICAST ROUTING PROTOCOL)
Multicast routing protocol intended to route packets efficiently to multicast group members without unnecessary duplication on common paths.

EAP (Extensible Authentication Protocol)
When you log on to the Internet, you're most likely establishing a PPP connection via a remote access server. The password, key, or other device you use to prove that you are authorized to do so is controlled via PPP's Link Control Protocol (LCP). EAP lets the system gather more information from the user before deciding which authenticator to use.

EISA
Extended ISA, PC bus standard that extends the AT bus (ISA bus) to 32-bits and provides bus mastering. It was announced in 1988 as a 32-bit alternative to the Micro Channel that would preserve investment in existing boards. PC and AT cards (ISA cards) can also plug into EISA slots.

ELITEVIEW
SMC's windows-based Network Management Software. Free of charge available for download on www.smc.com.

EMAIL
Emails can be sent in several ways--across a local area network, via the Internet, or through an online service like CompuServe or America Online. Emails can be sent to a single recipient or to a group of people. All emails are sent to a virtual mailbox, and the recipient has to pick it up or can use software that does it automatically.

ENCRYPTION
Encryption is the process of changing data into a form that can be read only by the intended receiver. To decipher the message, the receiver of the encrypted data must have the proper decryption key.

ETHERNET
Originally developed by Xerox Corporation, it typically refers to the IEEE 802.3 CSMA/CD protocol which runs at 10Mbps transfer rate.

ETHERNET NIC
Standard Ethernet NIC-Ethernet is the common name associated with networking hardware that is in compliance with the IEEE 802.3 standard. Central to this standard is the media access control (MAC) known as carrier sense multiple access with collision detection (CSMA/CD).

FAST ETHERNET
Fast Ethernet is a standard that increases the speed of Ethernet from 10Mbps to 100Mbps. There are two industry standards for 100Mbps operation of Ethernet networks; IEEE 802.3u commonly named 100BASE-TX and IEEE 802.12, commonly named 100BASE-VG Any LAN.

FAULT TOLERANT
A method of making a computer or network system resistant to software errors and hardware problems. A fault tolerant LAN system tries to ensure that even in the event of a power failure, a disk crash or a major user error, data is not lost and the system can keep running.

FIBER-OPTIC CABLE
Fiber-optic cables consist of thin filaments of glass (or other transparent materials), which can carry beams of light. A laser transmitter encodes frequency signals into pulses of light and sends them down the optical fiber to a receiver, which translates the light signals back into frequencies. Less susceptible to noise and interference than other kinds of cables, optical fiber can transmit data greater distances without amplification.

FIREWALL
If you want to protect any networked server from damage (intentional or otherwise) by those who log in to it, you put up a firewall. This could be a dedicated computer equipped with security measures such as a dial-back feature, or it could be software-based protection.

FLASH ROM
This jargon refers to ROM chips that can be reprogrammed with new BIOS instructions after the chips have left the

factory. Such ROM chips are technically called EEPROMs.

FLOW CONTROL
The process of adjusting the flow of data from one device to another to ensure that the receiving device can handle all the incoming data.

FRAGMENT-FREE FORWARDING
A type of forwarding method used in switches that allows data to be forwarded through after the first 64bytes of each data packet is checked due to the data error rate condition of the network.

FTP
File Transfer Protocol. The protocol used on the internet for sending files.

FULL DUPLEX
Transmitting and receiving data simultaneously. In pure digital networks, this is achieved with two pairs of wires. In analogue networks, or digital networks using carriers, it is achieved by dividing the bandwidth of the line into two frequencies, one for sending, one for receiving.

GARP MULTICAST REGISTRATION PROTOCOL (GMRP)
Protocol used to register multicast addresses on ports to control the flooding of multicast frames.

GATEWAY
A gateway is a program or piece of hardware that passes data between networks. You'll see this term most often when you either log in to an Internet site or when you're passing email between different servers.

GBIC (GIGABIT INTERFACE CONVERTER)
A transceiver used to connect Gigabit Ethernet port to a specific medium.

Gbps (GIGABIT PER SECOND)
1Gbps = 125 Megabyte per second

GVRP (GARP VLAN REGISTRATION PROTOCOL)
A protocol used to dynamically add VLANs across a domain.

HANDSHAKE
Sequence of messages exchanged between two or more network devices to ensure transmission synchronization.

HTTP
Hypertext Transfer Protocol - The underlying protocol used by the World Wide Web

HUB
Central switching device for communications lines in a star topology. It may add nothing to the transmission (passive hub) or may contain electronics that regenerate signals to boost strength as well as monitor activity (active/intelligent hub). Hubs may be added to bus topologies; for example, a hub can turn an Ethernet network into a star topology to improve troubleshooting.

IGMP (INTERNET GROUP MULTICAST PROTOCOL)
A protocol used by end systems and routers to dynamically create and prune IP multicast groups. End systems use IGMP to signal the router of their intent to receive frames destined to a specific IP multicast group (i.e. IP multicast address). In addition, routers use IGMP to periodically query end stations in order to determine if group members are present.

IGMP (INTERNET GROUP MANAGEMENT PROTOCOL)
It is used to establish host memberships in particular multicast groups on a single network. The mechanisms of the protocol allow a host to inform its local router, using host membership reports, that it wants to receive messages addressed to a specific multicast group.

INDUSTRY STANDARD ARCHITECTURE BUS
Original PC bus architecture, refers to the 16-bit AT bus.

INFRASTRUCTURE MODE
A client setting providing connectivity to an Access Point. As compared to Ad-Hoc Mode where PCs communicate directly with each other, clients set in Infrastructure Mode all pass data through a central AP.

INTERNET
Large network made up of a number of smaller networks.

INTERRUPT REQUEST (IRQ)
Hardware interruption on a PC. Eight lines (0-7 on 8086/88s) and 16 lines (0-15 on 286 and up) accept interruption from input devices, such as a scanner and network adapter.

IP ADDRESS
Unique identifying address for networked nodes when using TCP/IP protocol.

IPSEC (INTERNET PROTOCOL SECURITY)
Framework for a set of Protocols for security at the network or packet processing layer of network communication.

IPX/SPX
Networking Protocol - Historically used by Novell in the Netware Operating System.

IRQ (INTERRUPT REQUEST)
Assigned location where the computer can expect a particular device to interrupt it when the device sends the computer signals about its operation. For example, when a printer has finished printing, it sends an Interrupt signal to the computer.

ISA
Industry Standard Architecture. The most common bus architecture on the motherboard of MS-DOS computers. The ISA bus was originally pioneered by IBM on its PCs. ISA is also called classic bus. It comes in an 8-bit and 16-bit version. Most references to ISA mean the 16-bit version. Many machines claiming ISA compatibility will have both 8 and 16-bit connectors on the motherboard.

ISDN
Integrated Services Digital Network. International standard for digital telephone lines.

ISP (INTERNET SERVICE PROVIDER)
ISPs act as front end to all that the Internet offers. Most ISPs have a network of servers (mail, news, Web, and the like), routers, and modems attached to a permanent, high-speed Internet "backbone" connection. Subscribers can then dial into the local network to gain Internet access.

KERNEL
The central module of a operating system.

LAYER 2 SWITCHING
The switch routes data using unique MAC addresses.

LAYER 3 IP SWITCHING
TCP/IP routing functionality in a switch providing LAN routing at hardware speeds.

MAC ADDRESSES (MEDIA ACCESS CONTROL ADDRESS)
This is a hardware address that uniquely identifies each node of a network.

MAPI
Messaging - API

MBPS
Measurement of networking speed.

MEGABYTE (MB)
1024Kbytes

MIB (MANAGEMENT INFORMATION BASE)
A group of management procedures implemented in a network device for the purpose of remote device control and monitoring operations via an SNMP agent.

MICROPROCESSOR
CPU on a single chip. In order to function as a computer, it requires a power supply, clock, and memory.

MII
(Media Independent Interface), the standard interface for traditional Ethernet.

MULTI-TASKING
Running two or more programs in one computer at the same time. It is controlled by the operating system. The number of programs that can be effectively multi-tasked depends on the amount of memory available, CPU speed, hard disk capacity and speed, as well as the efficiency of the operating system.

MULTICAST
A type of network transmission in which a frame is sent to a series of related devices on a network, including a set of switches, a specific sub network, or all devices of a specific manufacturer.

NAT (NETWORK ADDRESS TRANSLATION)
Devices that create unofficial IP addresses that can be used inside an enterprise. The NAT is a gateway between the Internet and its users.

NetBEUI (NETWORK BIOS ENHANCED USER INTERFACE)
IBM developed this standard protocol, which is a set of rules that an operating system uses to control how computers on a network to talk to each other. This protocol is now also used by Microsoft and Novell on many network operating systems including LAN Server, LAN Manager, Windows NT, and Windows 95.

NetBIOS
Network basic input output system. An application programming interface that augments the DOS Bios.

NETWARE
Created by Novell to run on Intel-based computers, NetWare is the most widely used network operating system on that platform

NETWORK
A set of communication channels interconnecting several or many locations.

NETWORK DIAMETER
Wire distance between two end stations in the same collision domain.

NETWORK INTERFACE CARD (NIC)
Interface card required in the expansion bus of a personal computer to connect to the cabling of a LAN.

NETWORK MANAGEMENT
Procedures, software, equipment and operations designed to keep a network operating near maximum efficiency.

NETWORK OPERATING SYSTEM (NOS)
For example Windows NT, Novell Netware, UNIX

NFS
Network File System

NIC
Network Interface Card or adapter that enables terminals to connect to a network line.

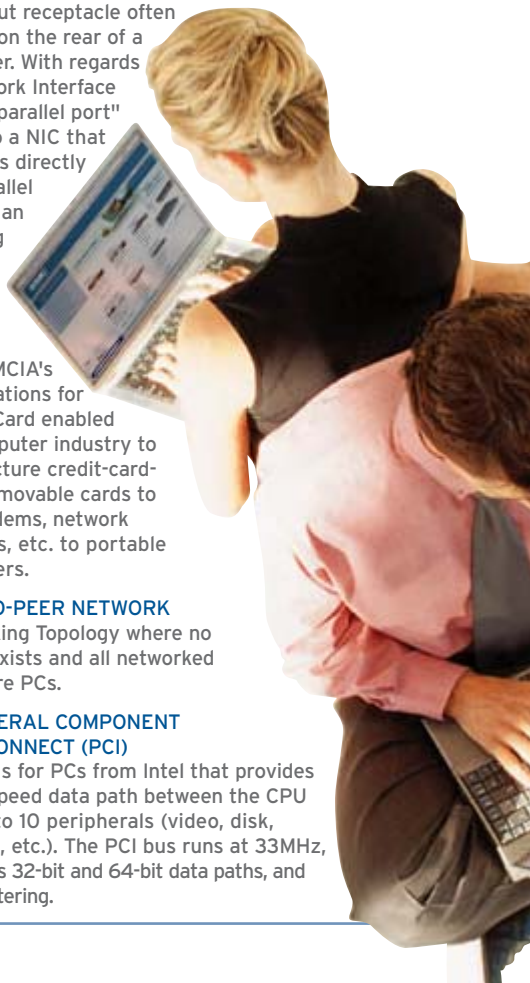
NULL-MODEM CABLE
A special type of computer cable that lets you hook up two computers to communicate via their serial ports. It's called a "null-modem" cable because it eliminates using modems and phone lines for hooking together nearby computers.

OPEN SYSTEM INTERCONNECTION (OSI)
ISO standard for worldwide communications that defines a frame work for implementing protocols in seven layers: application, presentation, session, transport network, data link, and physical.

OSPF (OPEN SHORTEST PATH FIRST PROTOCOL)
Routing protocol for TCP/IP routers that bases routing decisions on the least number of hops from source to destination.

PAP (PASSWORD AUTHENTICATION PROTOCOL)
Security protocol that uses password protection to allow access to a network or host.

PARALLEL PORT
An output receptacle often located on the rear of a computer. With regards to Network Interface Cards, "parallel port" refers to a NIC that connects directly to a parallel port via an adapting device.



PCMCIA
The PCMCIA's specifications for the PC Card enabled the computer industry to manufacture credit-card-sized removable cards to add modems, network adapters, etc. to portable computers.

PEER-TO-PEER NETWORK
Networking Topology where no server exists and all networked nodes are PCs.

PERIPHERAL COMPONENT INTERCONNECT (PCI)
Local bus for PCs from Intel that provides a high-speed data path between the CPU and up to 10 peripherals (video, disk, network, etc.). The PCI bus runs at 33MHz, support s 32-bit and 64-bit data paths, and bus mastering.

PLUG AND PLAY
A mechanism by which I/O devices are configured automatically upon installation.

PORT
(1) The entrance or physical access point to a repeater, computer, multiplexer, device or network where signals may be supplied, extracted or observed.
(2) To convert software to run in a different computer environment.

PORT MIRRORING
Method of monitoring network traffic that forwards a copy of each incoming and outgoing packet from one port of a network switch to another port where the packet can be studied.

PORT TRUNKING
This allows several ports to be grouped together into one logical port which allows a high speed connection. Port trunking is used when interconnecting switches.

PPP (POINT-TO-POINT PROTOCOL)
PPP is the Internet standard for serial communications. PPP defines how your modem connection exchanges data packets with other systems on the Internet.

PPPoA (PPP over ATM)
Data packets are exchanged over ATM

PPPoE
Acronym for Point-to-Point Protocol over Ethernet. PPPoE relies on two widely accepted standards: PPP and Ethernet. PPPoE is a specification for connecting the users on an Ethernet to the Internet through a common broadband medium, such as a single DSL line, wireless device or cable modem. All the users over the Ethernet share a common connection, so the Ethernet principles supporting multiple users in a LAN combine with the principles of PPP, which apply to serial connections.

PPTP (POINT-TO-POINT TUNNELING PROTOCOL)
PPTP is a protocol allows secure transmission of data in TCP/IP packets. PPTP and similar protocols are used to carry secure communications over Virtual Private Networks that use public phone lines.

PROTOCOL
Rules governing transmitting and receiving of data.

PROXY SERVER
In an enterprise that uses the Internet, a proxy server is a server that acts as an intermediary between a workstation user and the Internet so that the enterprise can ensure security, administrative control, and caching service. A proxy server is associated with or part of a gateway server that separates the enterprise network from the outside network and a firewall server that protects the enterprise network from outside intrusion.

QoS
This is short for Quality of service, a networking term that specifies a guaranteed throughput level.

REPEATER
In communications, a device that amplifies or regenerates the data signal in order to extend the distance of the transmission. Available for both analogue and digital signals, it is used extensively in long distance transmission to keep signals from losing their strength. It is also used in LANs.

RIP (ROUTING INFORMATION PROTOCOL)
RIP teaches routers on a wide area network which routers have access to which addresses. RIP bases its routing path on the distance (number of hops) to the destination. RIP maintains optimum routing paths by sending out routing update messages if the network topology changes.

RMON (REMOTE NETWORK MONITORING)
Provides standard information that a network administrator can use to monitor, analyze, and troubleshoot a group of distributed local area networks (LANs).

ROAMING
In wireless communications, the movement by a user among many cells or zones. The term implies that the system can locate the handset as it "roams" and provide continuing service.

ROUTER
In communications, a device that examines the destination address of a message and selects the most effective route. A router receives physical layer signals from a network, performs data link and network layer protocol processing, then sends the signals via appropriate data link and physical layer protocols to another network.

STANDARDS FOR LANS
IEEE 802.1 - Standard for local area networks which covers network management and other aspects related to LANs.

IEEE 802.2 - Specifies the Logical Link Control (data link layer) for the following access methods (physical layer)

IEEE 802.3 - Specifies CSMA/CD, popularized by Ethernet.

IEEE 802.3u - A revision of IEEE 802.3 for 100BASE-TX Fast Ethernet.

IEEE 802.11 - Defines wireless local area networks at a rate of either 1Mbps or 2Mbps.

IEEE 802.11a - WLAN transmission developed in 1999 for networks with speeds up to 54Mbps and beyond.

IEEE 802.11b - Addition to the IEEE 802.11 standard for WLANs that added two higher speeds, 5.5Mbps and 11Mbps; also known as Wi-Fi.

IEEE 802.11g - Standard for WLAN with speeds up to 54Mbps using the ISM band; designed to interoperate with both IEEE 802.11a AND IEEE 802.11b devices.

SDSL
Symmetric digital subscriber line, a new technology that allows more data to be sent over existing copper telephone lines (POTS). SDSL supports data rates up to 3Mbps.

SEGMENT
A separate LAN or collision domain.

SEGMENTABLE STACK
Stackable Hubs capable for subdividing the LAN into separate collision domains.

SERVER
A computer that is on the network and shares resources with other network users. The server may be dedicated, which means that its sole purpose is to provide service for network users, or it may be used as a client.

SHARED PORTS
Ports that are on the same collision domain and share a fixed bandwidth.

SIMPLE NETWORK MANAGEMENT PROTOCOL(SNMP)
Format used for network management data. Data is passed between SNMP agents (processes that monitor activity in hubs, routers, bridges, etc.) and the workstation used to oversee the network. SNMP uses Management Information Bases (MIBs), which are databases that define what information is obtainable from a networked device and what can be controlled (turn off, on, etc).

SLIP
Serial Line Internet Protocol, a method of connecting to the Internet. Another more common method is PPP (Point-to-Point Protocol). SLIP is an older and simpler protocol, but from a practical perspective, there's not much difference between connecting to the Internet via SLIP or PPP. In general, service providers offer only one protocol although some support both protocols.

SMARTWATCH
The term used to monitor all critical activities within an ethernet hub or switch.

SNIFFER
Program that monitors and analysis network traffic, detecting bottlenecks and problems. Using this information, a network manager can keep traffic flowing efficiently.

SNMP
Simple Network Management Protocol, a set of protocols for managing complex networks. The first versions of SNMP were developed in the early 80s. SNMP works by sending messages, called protocol data units (PDUs), to different parts of a network. SNMP-compliant devices, called agents, store data about themselves in Management Information Bases (MIBS) and return this data to the SNMP requesters.

SPANNING-TREE ALGORITHM
A technology that checks your network for any loop configurations. A loop can often occur in complicated or back-up linked network systems. Spanning-tree detects and directs data along the shortest line to its destination, maximizing the performance and efficiency of the network. Straight through cable (commonly used for building networks).

SPI FIREWALL
Firewall that inspects incoming data packets to make sure they correspond to an outgoing request. Unsolicited - and possibly harmful - packets are rejected.

SPLITTER
Device that divides a telephone signal into two or more signals, each carrying a selected frequency range, and can also reassemble signals from multiple signal sources into a single signal. The telephone company's central office also uses a POTS splitter to send low-frequency voice signals on to the voice telephone network and to send high-frequency data to a Digital Subscriber Line Access Multiplexor (DLSAM) for transmission to the Internet.

SPOOLER
A program that controls spooling.

SSID (SERVICE SET IDENTIFIER)
Sequence of characters that uniquely names a wireless local area network (WLAN). This name allows stations to connect to the desired network when multiple independent networks operate in the same physical area.

SSL (SECURE SOCKETS LAYER)
Protocol for managing the security of a message transmission on the Internet. SSL is included as part of both the Microsoft and Netscape browsers and most Web server products.

STACKABLE REPEATER/HUBS
Hubs that can be stacked to support additional users without repeater hops whereby the entire stack counts as a single logical repeater.

STORE & FORWARD
A type of forwarding method used in switches that allows data to be forwarded through after it has been fully checked due to the high error rate of the network.

STP
(Shielded twisted pair) cable.

SWITCH
A high performance, multi-port bridge that subdivides, or micro-segments, the network into smaller networks and then interconnects the segments to enable them to communicate with each other.

SWITCHED PORTS
Ports that are on separate collision domains or segments.

SYNCHRONOUS TRANSFER MODE (STM)
A transfer mode that offers periodically to each connection a fixed length work.

TCP IP
Transmission Control Protocol/ Internet Protocol - Networking Protocol used on the Internet.

TELNET
User command and underlying TCP IP protocol for accessing remote computers.

TERMINATOR
A device attached to the end points of a bus network or daisy chain.

TF
Twisted pair and fiber optical cable compatible.

TFTP (TRIVIAL FILE TRANSFER PROTOCOL)
Internet software utility for transferring files that is simpler to use than the File Transfer Protocol (FTP) but less capable.

TOPOLOGY
The shape of a LAN or other communications system.

TP (TWISTED PAIR)
Telephone companies commonly run twisted pairs of copper wires to each customer household. The pairs consist of two insulated copper wires twisted into a spiral pattern. These wires can carry data as well as voice. New services such as ISDN and ADSL also use twisted-pair copper connections.

TRANSCEIVER
Transmitter - Receiver. A device that both transmits and receives analogue or digital signals.

TWISTED-PAIR CABLE SEGMENT
The cable used to join a repeater and an adapter.

UPNP (UNIVERSAL PLUG AND PLAY)
Standard that uses Internet and Web protocols tenable devices such as PCs, peripherals, intelligent appliances, and wireless devices to be plugged into a network and automatically know about each other. With UPnP, when a user plugs a device into the network, the device will configure itself, acquire a TCP IP address, and use a discovery protocol based on the Internet's Hypertext Transfer Protocol (HTTP) to announce its presence on the network to other devices.

USB (Universal Serial Bus)
Plug-and-Play interface between a computer and add-on devices (such as audio players, joysticks, keyboards, telephones, scanners, and printers). With USB, a new device can be added to your computer without having to add an adapter card or even having to turn the computer off.

UTP
Unshielded twisted pair cable.

VDSL (VERY HIGH SPEED DIGITAL SUBSCRIBER LINE)
Supports exceptionally high-bandwidth applications such as High-Definition Television (HDTV). It is not as widely deployed as other forms of DSL service. However, VDSL can achieve data rates up to approximately 51.840 Kbps, making it the fastest available form of DSL.

VF45
Small form factor fiber connector.

VIRTUAL SERVER
Presents a single address that represents an application server farm to clients.

VLAN (Virtual LAN)
A network of computers that behave as if they are connected to the same wire even though they may be physically located on different segments of a LAN.

VOIP (VOICE-OVER-IP)
The ability to transmit voice data over LAN/WAN TCP/IP networks.

VPN
Virtual Private Network. A network that is constructed by using public wires to connect nodes.

WAN (WIDE AREA NETWORK)
Wide area networks can be made up of interconnected smaller networks spread throughout a building, a state, or the entire globe.

WEP (WIRED EQUIVALENT PRIVACY)
All IEEE 802.11b (Wi-Fi) networks use WEP as their basic security protocol. WEP secures data transmissions using 64-bit or 128-bit encryption.

WI-FI (WIRELESS FIDELITY)
Wi-Fi originally referred to the IEEE 802.11b specification for WLANs, but it is now used to describe any of the IEEE 802.11 wireless networking specifications.

WIRELESS BRIDGE
Wireless Bridge is an alternative to connecting two or more separate LANs with cable. With a Wireless Bridge you gain wireless connectivity between two or more remote LANs.

WIRELESS LAN
A local area network that uses high frequency radio waves rather than wires to communicate between nodes.

WOL (WAKE-ON-LAN)
With a Wake-on-Lan connection client systems can be remotely and automatically powered up.

WORKGROUP
Two or more individuals who share files and databases. LANs designed around workgroups provide electronic sharing of required data.

WORKSTATION
(1) High performance, single user microcomputer or minicomputer that has been specialized for graphics, CAD, CAE or scientific applications. Typically comprised of high resolution screens, local graphics processing, keyboard, pointing device, and network connection.

(2) In a LAN, a personal computer that serves a single user in contrast with a file server that serves all users in the network.

(3) Any terminal or personal computer.

WPA (WI-FI PROTECTED ACCESS)
Specification for improving the security of Wi-Fi networks, replacing WEP for current and future IEEE 802.11 standards. It uses IEEE 802.1x and EAP to restrict network access, and it uses its own encryption, called Temporal Key Integrity Protocol (TKIP), to secure data during transmission.

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