



The beauty of wireless!

TL-WR841N / TL-WR841ND gets a new design

TP-LINK TECHNOLOGIES CO., LTD

E-mail: info@tp-link.com
www.tp-link.com

PN:83925001.30

Networking Product Guide 2010

TP-LINK 3G Router
Share the Freedom of 3G

Create a fast wireless network using your
3G modem

P21-P22

3G
SHARE



(SEPTEMBER 2010)

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(SEPTEMBER 2010)

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Stream HD Videos, play Online Games, and download large media files simultaneously

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300Mbps WIRELESS N Gigabit Router

Stream HD Videos, play Online Games, and download large media files simultaneously

Detachable Antenna

AWARDS



Hot

Ultimate Wireless N Gigabit Router TL-WR1043ND



- Wireless N speed up to 300Mbps
- Gigabit Ethernet ports deliver ultra fast wireless and wired network connections
- USB 2.0 port convenient for file sharing via an external USB storage device
- Three antennas dramatically increase link robustness and stability
- Easy wireless security encryption at a push of the QSS button
 - CCA technology enhances stability signal while automatically avoiding channel conflicts
 - WDS wireless bridge provides seamless bridging to expand the wireless network
 - Bandwidth control allows administrators to determine how much bandwidth is allotted to each PC
 - Live Parental Controls allow parents or administrators to establish restricted access policies for children or staff
 - IP and MAC binding effectively prevent ARP virus attacks

Specifications

- Complies with IEEE 802.11n/g/b, IEEE 802.3/3u
- 1 Gigabit WAN Port, 4 Gigabit LAN Ports, supporting the auto-Negotiation and auto MDI/MDIX
- Supports PPPoE, Dynamic IP, Static IP, PPTP, L2TP Cable Internet access
- Supports Auto Dial, On-Demand Dial, Regular Dial requirements
- Supports UPnP, Dynamic DNS, Static Routing, Flow Statistics, VPN Pass-through
- Supports Virtual Server, Special Application, and DMZ Host
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- Built-in firewall supports IP address filtering, domain name filtering, and MAC address filtering for a flexible time to surf the network
- Built-in DHCP server supports automatic and dynamical IP address distributing

QSS

WPS (Wi-Fi Protected Setup™) Button



Mobile Hard Disk Drive



Digital Camera



USB Flash Drive



1 USB 2.0 Port

Gigabit Ethernet Ports

300Mbps Wireless N Router

TL-WR941ND / TL-WR940N



- Wireless N speed up to 300Mbps
- Easy wireless security encryption at a push of the QSS button
- WDS wireless bridge provides seamless bridging to expand the wireless network
- IP based bandwidth control allows administrators to determine how much bandwidth is allotted to each PC
- Live Parental Controls allow parents or administrators to establish restricted access policies for children or staff
- IP and MAC binding effectively prevent ARP virus attacks
- External detachable antennas allow for better alignment and stronger antenna upgrades (for TL-WR941ND only)



Specifications

- Complies with IEEE 802.11n/g/b, IEEE 802.3/3u
- 1 10/100Mbps WAN Port, 4 10/100Mbps LAN Ports, support the auto-negotiation and auto MDI/MDIX
- Supports PPPoE, Dynamic IP, Static IP, PPTP, L2TP Cable Internet access
- Supports Auto Dial, On-Demand Dial, Regular Dial requirements
- Supports UPnP, Dynamic DNS, Static Routing, Flow Statistics, VPN Pass-through
- Supports Virtual Server, Special Application, and DMZ host
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- Built-in firewall supports IP address filtering, domain name filtering, and MAC address filtering for a flexible time to surf the network
- Built-in DHCP server supports automatic and dynamical IP address distributing

300Mbps Wireless N PCI Adapter

TL-WN951N

- 32-bit PCI connector
- IEEE 802.11n/g/b, Wireless N speed up to 300Mbps
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000

300Mbps Wireless N PCI Adapter

TL-WN851N

- 32-bit PCI connector
- IEEE 802.11n/g/b, Wireless N speed up to 300Mbps
- Wireless security encryption easily at a push of QSS button
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000

300Mbps Wireless N Router

TL-WR841ND / TL-WR841N

- Wireless N speed up to 300Mbps
- Easy wireless security encryption at a push of QSS the button
- WDS wireless bridge provides seamless bridging to expand the wireless network
- IP based bandwidth control allows administrators to determine how much bandwidth is allotted to each PC
- Live Parental Controls allow parents or administrators to establish restricted access policies for children or staff
- IP and MAC binding effectively prevent ARP virus attacks
- External detachable antennas allow for better alignment and stronger antenna upgrades (for TL-WR841ND only)



BETTER TOGETHER

300Mbps High Gain Wireless N USB Adapter

TL-WN822N

- Mini USB 2.0 connector
- Provides Dual 3dBi External Antennas
- IEEE 802.11n/g/b, Wireless N speed up to 300Mbps
- 1.5 meter USB extension cable enables convenient hardware connection
- Easy wireless security encryption at a push of QSS the button
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



300Mbps Wireless N USB Adapter

TL-WN821N / TL-WN821NC

- USB 2.0 connector
- IEEE 802.11n/g/b, Wireless N speed up to 300Mbps
- Easy wireless security encryption at a push of the QSS button
- Bundled with an elegant and stylish USB Cradle for flexible deployment (for TL-WN821NC only)
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



Hot

150Mbps Wireless N Router

TL-WR741ND / TL-WR740N



One-Button Wireless Encryption
easy at a push of the **QSS** button

150Mbps Wireless Speed
great for video streaming and online gaming

WDS Wireless Bridge
provides seamless bridging to expand the wireless network

Live Parental Controls
allows parents or administrators to establish restricted access policies for children or staff

Go Wireless in Minutes
with Easy Setup Assistant

Neighbor Friendly
ensures more stable signal while automatically avoiding channel conflicts

Bandwidth Control
allows administrators to determine how much bandwidth is allotted to each PC

Specifications

- > Compatible with IEEE802.11n/g/b, IEEE802.3/3u
- > 1 10/100Mbps WAN Port, 4 10/100Mbps LAN Ports, support auto-Negotiation and auto MDI/MDIX
- > IP and MAC binding, prevents ARP virus attacks effectively
- > External detachable antennas allow for better alignment and stronger antenna upgrades (for TL-WR741ND only)
- > Supports PPPoE, Dynamic IP, Static IP, PPTP, L2TP Cable Internet access
- > Supports Auto Dial, Demand Dial, Regular Dial requirements
- > Supports UPnP, Dynamic DNS, Static Routing, Flow Statistics, VPN Pass-through
- > Supports Virtual Server, Special Application, and DMZ host
- > Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryption
- > Built-in firewall supports IP address filtering, domain name filtering, and MAC address filtering for access control management
- > Built-in DHCP server supports automatic and dynamic IP address distribution
- > Supports configuration files export and import

High Power Wireless For Maximum Coverage

150Mbps High Power Wireless USB Adapter

TL-WN7200ND



New



Coverage



150Mbps Wireless N USB Adapter TL-WN721NC



- USB 2.0 connector
- Complies with IEEE802.11n/g/b, Wireless speed up to 150Mbps
- Easy wireless security encryption at a push of the QSS button
- Bundled an elegant and stylish USB Cradle for flexible deployment
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



150Mbps Wireless N USB Adapter TL-WN721N



- USB 2.0 connector
- Complies with IEEE802.11n/g/b, Wireless speed up to 150Mbps
- Easy wireless security encryption at a push of the QSS button
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



150Mbps Wireless N USB Adapter TL-WN727N



- USB 2.0 connector
- Complies with IEEE802.11n/g/b, Wireless speed up to 150Mbps
- Easy wireless security encryption at a push of the QSS button
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



150Mbps Wireless N PCI Express Adapter TL-WN781ND



- PCI Express 2.0 connector
- Complies with IEEE802.11n/g/b, Wireless speed up to 150Mbps
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



- Mini USB 2.0 connector
- High power and high sensitivity enlarges wireless coverage
- Complies with IEEE802.11n/g/b, Wireless speed up to 150Mbps
- Easy wireless security encryption at a push of the QSS button
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000

New

150Mbps Wireless AP/Client Router

TL-WR743ND



Simultaneous WISP Access and Wireless Sharing



Wireless Capability Update - 150Mbps Wireless N



Security connection at a push of a button



PoE Support and PoE Injector Inside



5dBi Detachable Antenna

Specifications

- > Compatible with IEEE802.11n/g/b, IEEE802.3/3u
- > 1 10/100Mbps WAN Port, 4 10/100Mbps LAN Ports, support auto-Negotiation and auto MDI/MDIX
- > Supports AP Client Router and AP Router Modes
- > Supports PPPoE, Dynamic IP, Static IP, PPTP, L2TP Cable Internet access
- > Supports Auto Dial, Demand Dial, Regular Dial requirements
- > Supports Virtual Server, Special Application, and DMZ host
- > Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryption
- > Built-in firewall supports IP address filtering, domain name filtering, and MAC address filtering for access control management
- > Built-in DHCP server supports automatic and dynamical IP address distributing



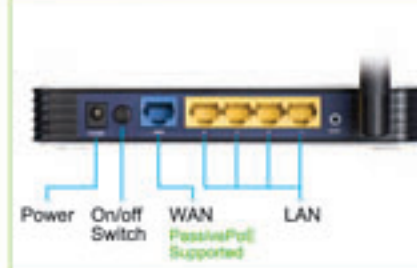
150Mbps Wireless AP/Client Router

- Wireless speed up to 150Mbps
- AP Client Router and AP Router operation mode conveniently for internet access via a WISP or ADSL/Cable modem
- Wireless security encryption easily at a push of QSS button
- WDS wireless bridge provide seamless bridge to expand wireless network
- IP based bandwidth control allows administrators to determine how much bandwidth is allotted to each PC
- Live Parental Controls allows parents or administrators to establish restricted access policies for children or staff
- IP and MAC binding prevents ARP virus attacks effectively

Front Panel



Rear Panel



TL-WR743ND

150Mbps High Gain Wireless USB Adapter

TL-WN722N / TL-WN722NC



- USB 2.0 connector
- Complies with IEEE802.11n/g/b, Wireless speed up to 150Mbps
- 4dBi detachable antenna, remarkably strengthens the signal power of the USB adapter
- **Easy wireless security encryption at a push of the QSS button**
- Bundled an elegant and stylish USB Cradle for flexible deployment (for TL-WN722NC only)
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryption
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000

UP TO 4X The Range

of Standard 54Mbps Wireless Router

54Mbps eXtended Range™ Wireless Router



TL-WR541G / TL-WR542G



- Wireless G speed up to 54Mbps
- WDS wireless bridge provides seamless bridging to expand wireless the network
- IP based bandwidth control allows administrators to determine how much bandwidth is allotted to each PC
- Live Parental Controls allow parents or administrators to establish restricted access policies for children or staff
- IP and MAC binding prevent ARP virus attacks effectively
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- Supports IP address filtering, Domain Name filtering, and MAC address filtering



54Mbps eXtended Range™ Wireless PCI Adapter

TL-WN550G / TL-WN551G

- 32-bit PCI connector
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000

54Mbps Wireless AP/Client Router

TL-WR543G



- Wireless G speed up to 54Mbps
- AP Client Router and AP Router operation mode convenient for internet access via a WISP or ADSL/Cable modem
- WDS wireless bridge provides seamless bridging to expand the wireless network
- IP based bandwidth control allow administrators to determine how much bandwidth is allotted to each PC
- Live Parental Controls allows parents or administrators to establish restricted access policies for children or staff
- IP and MAC binding effectively prevent ARP virus attacks
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryption



Specifications

- Complies with IEEE 802.11g/b, IEEE 802.3/3u
- 1 10/100Mbps WAN Port, 4 10/100Mbps LAN Ports, support the auto-Negotiation and auto MDI/MDIX
- Built-in DHCP server supporting static IP address distribution
- Supports AP Client Router and AP Router Modes
- Supports UPnP, Dynamic DNS, Static Routing, Flow Statistics
- Supports VPN Pass-through, Virtual Server and DMZ host
- Built-in firewall supports IP address filtering, Domain Name filtering, and MAC address filtering for access control management
- Denial-of-service (DoS) attack prevention, auto virus isolation
- On-Demand Dial and timing on/off internet access

54Mbps Wireless Router

The Perfect Couple!



54Mbps Wireless Router

TL-WR340G / TL-WR340GD



- Wireless G speed up to 54Mbps
- WDS wireless bridges provide seamless bridging to expand the wireless network
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- IP and MAC binding effectively prevent ARP virus attacks
- External detachable antennas allow for better alignment and stronger antenna upgrades (for TL-WR340GD only)

Specifications

- Complies with IEEE 802.11g/b, IEEE 802.3/3u
- 1 10/100Mbps WAN Port, 4 10/100Mbps LAN Ports, support auto-negotiation and auto MDI/MDIX
- Built-in DHCP server supports static IP address distribution
- Supports UPnP, Dynamic DNS, Static Routing and Flow Statistics
- Supports VPN Pass-through, Virtual Server and DMZ host
- Built-in firewall supports IP address filtering, Domain Name filtering, and MAC address filtering for access control management
- Denial-of-service (DoS) attack prevention, auto virus isolation
- On-Demand Dial and timing on/off internet access

54Mbps Wireless USB Adapter

TL-WN321G / TL-WN322G



- USB 2.0 connector
- Complies with IEEE802.11g/b, Wireless speed up to 54Mbps
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryption
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000

54Mbps High Gain Wireless USB Adapter

Little device **Big** performance



54Mbps High Gain Wireless USB Adapter

TL-WN422G / TL-WN422GC

- USB 2.0 connector
- Complies with IEEE802.11g/b, Wireless speed up to 54Mbps
- 4dBi detachable antenna, remarkably strengthens the signal power of the USB adapter
- Bundled with an elegant and stylish USB Cradle for flexible deployment (for TL-WN422GC only)
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



54Mbps Wireless PCI Adapter

TL-WN350G / TL-WN350GD / TL-WN353G / TL-WN353GD

- 32-bit PCI connector
- Complies with IEEE802.11g/b, Wireless speed up to 54Mbps
- External detachable antenna (for TL-WN350GD/TL-WN353GD only)
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Windows 7 32/64bit, Vista 32/64bit, XP 32/64bit, Windows 2000



54Mbps Wireless Cardbus Adapter

TL-WN310G

- Provides Cardbus connector
- Complies with IEEE802.11g/b, Wireless speed up to 54Mbps
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Vista 32/64bit, XP 32bit, Windows 2000



54Mbps Wireless Mini-PCI Adapter

TL-WN360G

- Provides Mini-PCI connector
- Complies with IEEE802.11g/b, Wireless speed up to 54Mbps
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Vista 32/64bit, XP 32bit, Windows 2000



54Mbps Wireless AG Mini-PCI Adapter

TL-WN562AG


























- Provides Mini PCI connector
- Complies with IEEE802.11g/b/a, Wireless speed up to 54Mbps
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Vista 32/64bit, XP 32bit, Windows 2000



108Mbps Wireless Super AG Mini-PCI Adapter

TL-WN662AG

- Provides Mini PCI connector
- Complies with IEEE802.11g/b/a, Wireless speed up to 108Mbps
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- OS: Vista 32/64bit, XP 32bit, Windows 2000

	Wireless-G	Entry Level-N	Wireless- N	
	Basic wireless sharing share your Internet connection	Enhanced speed/range, Mutiple Users & applications compared with 11G	Faster Speed and further range: Ideal for faster downloads and Online Gaming	Fastest downloads and high performance Internet gaming
				
	TL-WR340G	TL-WR741ND / TL-WR740N	TL-WR841ND / TL-WR841N	TL-WR941ND / TL-WR940N
 SPEED	54Mbps	150Mbps	300Mbps	
 SURFING THE WEB	√	√	√	√
 EMAIL	√	√	√	√
 ONLINE CHATTING (MSN)	√	√	√	√
 LARGER HOMES AND MULTIPLE ROOMS				
 WIRELESS PRINTING	√	√	√	√
 MUSIC/AUDIO STREAMING		√	√	√
 INTERNET PHONE CALLS		Good	Better	Best
 VIDEO STREAMING (Youtube)		Good	Better	Best
 HOME MONITORING		Affordable	Good	Better
 ONLINE VIDEO CHAT		Affordable	Good	Better
 ONLINE GAMING		Affordable	Good	Better
 LARGER FILES DOWNLOAD/SHARING			√	√
 HD VIDEO STREAMING			Good	Better
 SIMULTANEOUS DOWNLOAD, VOICE, HD VIDEO STREAMING			√	√
 LOCAL NETWORKED STORAGE AND LARGE FILE SHARING				√
 HIGH PERFORMANCE LAG-FREE MUTIPLAYER ONLINE GAMING				√

300Mbps Wireless N Access Point

TL-WA901ND / TL-WA801ND



- Complies with IEEE 802.11n/g/b, IEEE 802.3/3u, Wireless N speed up to 300Mbps
- 1 10/100Mbps auto-negotiation Ethernet port
- Supports AP, AP Client, Multi-SSID, Bridge, Multi-Bridge, Repeater operation modes
- Easy wireless security encryption at a push of the QSS button
- Supports Passive Power over Ethernet capability for flexible performance
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- Supports Wi-Fi Multimedia (WMM) assuring the quality of VoIP and multimedia streaming
- 4dBi detachable antennas allow for stronger antenna upgrades

New



Range Extender

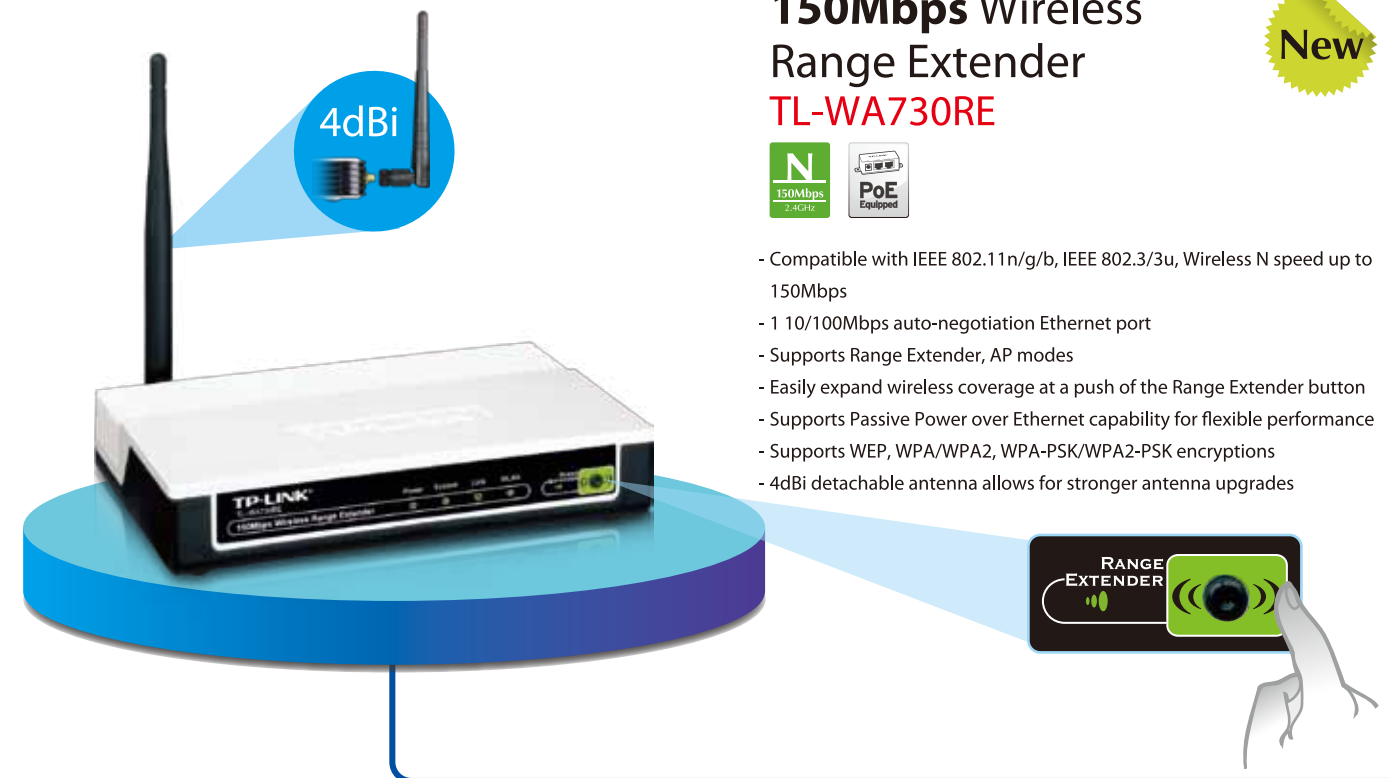
Extend your wireless coverage
at the push of a button

150Mbps Wireless
Range Extender
TL-WA730RE

New



- Compatible with IEEE 802.11n/g/b, IEEE 802.3/3u, Wireless N speed up to 150Mbps
- 1 10/100Mbps auto-negotiation Ethernet port
- Supports Range Extender, AP modes
- Easily expand wireless coverage at a push of the Range Extender button
- Supports Passive Power over Ethernet capability for flexible performance
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- 4dBi detachable antenna allows for stronger antenna upgrades



150Mbps Wireless N Access Point
TL-WA701ND



- Compatible with IEEE 802.11n/g/b, IEEE 802.3/3u, Wireless N speed up to 150Mbps
- 1 10/100Mbps auto-negotiation Ethernet port
- Supports AP, AP Client, Multi-SSID, Bridge, Multi-Bridge, Repeater operation modes
- Easy wireless security encryption at a push of the QSS button
- Supports Passive Power over Ethernet capability for flexible performance
- Supports Wi-Fi Multimedia (WMM) assuring the quality of VoIP and multimedia streaming
- Supports WEP, WPA/WPA2, WPA-PSK/WPA2-PSK encryptions
- 4dBi detachable antenna allows for stronger antenna upgrades



54Mbps High Power Wireless G Access Point

TL-WA5110G



- Complies with IEEE 802.11g/b, IEEE 802.3/3u, Wireless G speed up to 54Mbps
- 1 10/100Mbps auto-negotiation Ethernet port
- High power and high sensitivity enlarges wireless coverage
- Up to 400mw power for longer distance transmission
- Supports AP Client Router and AP Router modes
- Supports AP, AP Client, Bridge, Multi-Bridge, and repeater operation modes
- Supports Passive Power over Ethernet capability for flexible performance
- Detachable antenna allows for stronger antenna upgrades



Long Range Wireless Connection



High Power + High Sensitivity = Long Range Wireless Connections

Wireless Signal degradation will happen when traveling long distances, **High Power** means signals can go further and bring higher speeds at the same distance than normal ones; **High Sensitivity** means the AP can receive weaker signals than normal APs. These two significantly extend the transmission range to reduce dead spots and to deliver a more stable wireless connection.

TP-LINK 54Mbps Wireless G Access Point

provides multiple operation modes including AP / AP Router Mode / AP Client Router Mode / Repeater / Bridge / AP Client, which are available for small and home office to expand their wired and wireless networks. Especially the High-Power Wireless Access Point is dedicated to long distance wireless network solutions.

AP Mode

AP mode is used to convert a wired connection into wireless transmission for compatible devices to receive. AP mode is the most basic function of multi-function Access Point. In this mode, the Access Point will act as a central hub for different wireless LAN clients. This function is generally used in cafes, libraries, schools, small and medium offices and enterprises.

Repeater Mode

The repeater function lets this access point act as a wireless LAN access point and repeater at the same time. Users can use this feature to build up a large wireless network in spaces such as cafes, airports, hotels, schools, libraries and small enterprises.

Bridge Mode (WDS)

Bridge mode is a function of access points that allows a user to connect two remote Ethernet LANs to each other where cables are not an efficient option. Using two access points that communicate through each other, two LANs can be connected which is very useful in situations where Ethernet LANs may be in two adjacent buildings.

AP Client Mode

When an access point is set to "AP Client" mode it performs a wireless client adapter only function, and transfers packets from the Ethernet port of a PC or notebook to 'talk' with radio signals to another access point. Users can connect PC or local LAN to Ethernet port of the client mode access point. This mode is mostly used as a CPE device for WISP subscribers.

54Mbps Wireless G Access Point

TL-WA501G



- Complies with IEEE 802.11g/b, IEEE 802.3/3u, Wireless G speed up to 54Mbps
- 1 10/100Mbps auto-negotiation Ethernet port
- Supports AP, AP Client, Bridge, Multi-Bridge, and repeater operation modes
- Detachable antenna allows for stronger antenna upgrades

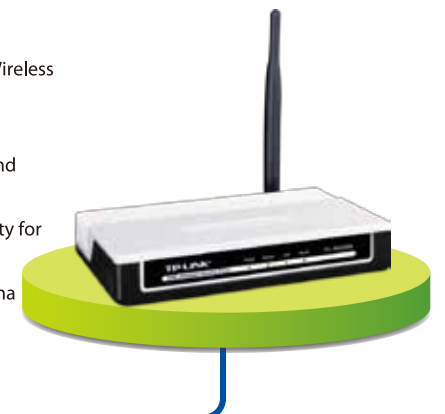


54Mbps Wireless G Access Point

TL-WA500G



- Complies with IEEE 802.11g/b, IEEE 802.3/3u, Wireless G speed up to 54Mbps
- 1 10/100Mbps auto-negotiation Ethernet port
- Supports AP, AP Client, Bridge, Multi-Bridge, and repeater operation modes
- Supports Passive Power over Ethernet capability for flexible performance
- Detachable antenna allows for stronger antenna upgrades



2.4GHz High Power Wireless Outdoor CPE

TL-WA5210G



New



4000V Lightning Protection



15KV ESD Protection



Weatherproof Enclosure



Grounding Terminal Integrated

2.4GHz High Power Wireless Outdoor CPE

TL-WA5210G



- Compatible with IEEE 802.11n/g/b, IEEE 802.3/3u
- Wireless G speed up to 54Mbps
- 1 10/100Mbps auto-negotiation RJ45 port
- Weatherproof enclosure and lightning protection terminal integrated
- 12dBi dual-polarized antenna, better compatibility with WISP to boost your signal
- Up to 500mw power for longer distance transmission
- Supports 15KV EDS Protection
- Supports AP, AP Client, Bridge, Multi-Bridge, and repeater operation modes
- External antenna connector allows for stronger antenna upgrades
- Supports Passive Power over Ethernet capability for flexible performance

Antennas

MODEL NO.	TL-ANT2403N	TL-ANT2405C/ TL-ANT2405CL	TL-ANT2406A	TL-ANT2408C/ TL-ANT2408CL	TL-ANT2409A	TL-ANT2409B	TL-ANT2414A	TL-ANT2414B	TL-ANT2412D TL-ANT2415D	TL-ANT2424B
FREQUENCY	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
GAIN	3dBi	5dBi	6dBi	8dBi	9dBi	9dBi	14dBi	14dBi	12dBi/15dBi	24dBi
TYPE	Omni	Omni	Directional	Omni	Directional	Directional	Directional	Directional	Omni	Directional
VSWR(MAX.)	1.92:1	1.92:1	1.92:1	1.5:1	1.92:1	1.92:1	1.92:1	1.92:1	1.92:1/1.5:1	1.5:1
HPBW/H(°)	360	360	120	360	60	60	30	30	360	14
HPBW/V(°)	90	32	90	15	76	76	30	30	6/9	10
POLARIZATION	Linear; Vertical	Linear; Vertical	Linear; Vertical	Linear; Vertical	Linear; Vertical	Linear; Vertical	Linear; Vertical	Linear; Vertical	Linear; Vertical	Linear; Vertical
CONNECTOR TYPE	RP-SMA Male (Plug)	RP-SMA Male (Plug)	RP-SMA Male (Plug)	RP-SMA Male (Plug)	RP-SMA Male (Plug)	N Female (Jack)	RP-SMA Male (Plug)	N Female (Jack)	N Female (Jack)	N Female (Jack)
EXTENDED CABLE/LENGTH	RG174;100cm	RG316;130cm (for TL-ANT2405C)	RG174;130cm	RG316;130cm (for TL-ANT2408C)	CFD-200;100cm	CFD-200;100cm	CFD-200;100cm	CFD-200;100cm	N/A	30cm
MOUNTING	Desktop	Wall Mount/ Desktop (for TL-ANT2405C)	Wall Mount/ Desktop	Wall Mount / Desktop (for TL-ANT2408C)	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount
APPLICATION	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Indoor	Outdoor	Outdoor	Outdoor
APPROXIMATE RANGE AT 1/11/54MBPS	-	700m/400m/ 60m	880m/500m/ 70m	1.41km/790m/ 110m	1.77km/1km/ 140m	1.77km/1km/ 140m	5.59km/3.15km/ 440m	5.59km/3.15km/ 440m	3.53km/1.98km/280m 7.06km/3.96km/560m	56km/31.5km/ 4.44km
OPTIONAL ACCESSORY	-	-	-	-	TL-ANT24EC3S TL-ANT24EC5S	TL-ANT24EC6N TL-ANT24EC12N TL-ANT24SP TL-ANT24PT	TL-ANT24EC3S TL-ANT24EC5S	TL-ANT24EC6N TL-ANT24EC12N L-ANT24SP TL-ANT24PT	TL-ANT24EC6N TL-ANT24EC12N TL-ANT24SP TL-ANT24PT	TL-ANT24EC6N TL-ANT24EC12 N TL-ANT24SP TL-ANT24PT

Note: 1. Range reference is based on RF power of indoor AP (17dBm) without cable loss or other insertion loss; 2. The two sides of transmission use the same spec of antenna and AP; 3. The environment for range parameters is based on normal condition (with a system margin of 20dB); 4. Actual range (especially the indoor range) is subject to change due to user's physical environment. All figures are for reference only; 5. HPBW: Half Power Beam Width, H: horizontal plane pattern, V: vertical plane pattern.

Antenna Accessories

MODEL NO.	TL-ANT24EC3S	TL-ANT24EC5S	TL-ANT24EC6N	TL-ANT24EC12N	TL-ANT24PT	TL-ANT24SP
PRODUCT DESCRIPTIONS	Extension Cable	Extension Cable	Extension Cable	Extension Cable	Pigtail Cable	Surge Protector
FREQUENCY	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz	2.4GHz
CONNECTOR TYPE	RP-SMA Male to Female	RP-SMA Male to Female	N Male to Female	N Male to Female	RP-SMA Male to N Male	N Male to Female
CABLE MATERIAL	CFD-200	CFD-200	KMS-400	KMS-400	CFD-200	N/A
CABLE LENGTH	3 Meters	5 Meters	6 Meters	12 Meters	50 CM	N/A

Share The Freedom Of 3G



Hot

3G/3.75G Wireless N Router TL-MR3420



- USB 2.0 connector to an external UMTS/HSPA/EVDO USB Modem
- 3G/WAN Failover guarantees a sustained Internet connection
- Wireless N speed up to 300Mbps
- CCA technology enhances your wireless performance with a more stable signal while automatically avoiding channel conflicts
- Easy wireless security encryption at a push of the QSS button
- WDS wireless bridge provides seamless bridging to expand the wireless network
- IP based bandwidth control allows administrators to determine how much bandwidth is allotted to each PC

Rear Panel



WAN Port
Connect to the
DSL/Cable modem

USB Port
Insert the 3G
USB modem

New

150Mbps

3G/3.75G Wireless N Router TL-MR3220



- USB 2.0 connector to an external UMTS/HSPA/EVDO USB Modem
- 3G/WAN Failover guarantees sustained Internet connection
- Wireless N speed up to 150Mbps
- CCA technology enhances your wireless performance with a more stable signal while automatically avoiding channel conflicts
- Easy wireless security encryption at a push of the QSS button
- WDS wireless bridge provides seamless bridging to expand wireless network
- IP based bandwidth control allows administrators to determine how much bandwidth is allotted to each PC

Here's Why You'll Love TP-LINK's 3G Router

1 Incredible High Speed 3G + 300M Wireless



TP-LINK's TL-MR3420 3G/3.75G Wireless N Router allows you to share 3G/3.75G mobile broadband with family and friends on the train, camping, hotel, or anywhere else with 3G/3.75G coverage. By connecting a UMTS/HSPA/EVDO USB modem to the router, a Wi-Fi hotspot is instantly established.

* With standard 3G USB modem, the upload/download speed is 1.8Mbps/3.1Mbps, while with 3.75G USB modem, the upload/download speed reaches up to 5.76Mbps/7.2Mbps.



Note

The TL-MR3420 is essentially two routers in one. It has the ability to share a 3G USB modem connection or a normal cable connection.

2 Comprehensive 3G/WAN Back-up Strategy

TL-MR3420 stands out with 3G/WAN connection back-up, which keeps you on-line. As shown below in the snapshot, we provide you with both 3G preferred and WAN preferred back-up modes, while other common brands can only provide one or the other. This brings you high flexible access setup right according to your Internet service cost, and minimal downtime.

Internet Access

The router provides four Internet access mode for you to choose:

- **3G Preferred**- Use 3G as the primary access, wan as a back up.
- **3G Only**- Only use 3G as the access to the Internet.
- **WAN Preferred**- Use WAN as the primary access, 3G as a backup.
- **WAN Only**- Only use WAN as the access to the Internet.

• Snapshot of TL-MR3420 setup page: you can choose 3G Preferred or WAN Preferred here.



A Word From Tech Support

3G devices differ from other devices due both, to the regions in which they are used, the devices that they pair with, and a combination of the two. This means that, though a 3G router may be compatible with a certain 3G USB dongle, there may be a conflict from one region in which it is used to another, preventing the effective use of the product. Ultimately this means that when testing such products for compatibility, said tests must be conducted individually on each individual 3G device in every region that they may be used, to ensure 100% compatibility.

TP-LINK has made certain that our 3G routers are compatible with the ISPs in the regions in which they are sold and using the 3G devices available for those regions. We have teams around the globe continually testing our 3G routers in new regions and with new products to ensure that end users can feel confident that the product that they buy will work as intended with almost any device they use and in almost any region they are in.

We hope that with this diligent effort to ensure the quality of our customer's end-user experience that we gain their trust. Thus far we have been establishing a reputation for quality that has so far won our 3G products awards in multiple regions around the globe. We will strive to continue this effort and ensure that our products work in as many places, for as many people as they can.

We have verified compatibility of the TL-MR3420 with 3G USB modems in the following locations:



Other regions are currently undergoing testing, for the latest updates of region compatibility you can visit:

www.tp-link.com

Clear Up Your Desktop!

3-in-1 device that's as powerful as it is simple

Hot



TD-W8960N

300Mbps Wireless N ADSL2+ Modem Router



TD-W8960N / TD-W8960NB

- All-in-one device: 300Mbps Wireless N, ADSL2+ Modem, Router, Multi-port Switch and Firewall
- 1 RJ11 DSL Port, 4 10/100 RJ45 LAN Ports, support Auto-Negotiation and Auto MDI/MDIX
- 802.11n/g/b, Wireless N speed up to 300Mbps
- Easy Setup Assistant with multi-language support provides quick & hassle free installation
- Port mapping and QoS engine for pleasant triple-play (data, voice and video) experience
- 4000V lightning protection help your device to avoid the damage of tough thunderstorm
- Quality of Service (QoS) enables smooth VoIP, video streaming and lag-free online gaming
- Parental Control allows parents or administrators to establish restricted access policies for children or staff
- Supports up to 10 IPSec VPN tunnels simultaneously

MULTIPLE PVC FOR TRIPLE-PLAY (Internet, VoIP and IPTV)



EASY INSTALL

1. Insert CD



2. Run Easy Setup Assistant



3. Enjoy!



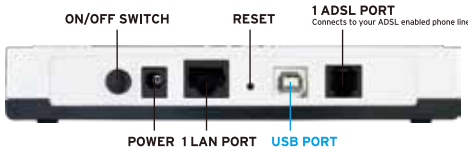
NOTE

The Easy Setup Assistant support multi-language.

English	Deutsch	Français	Português
Italiano	Español	Русский	Türkçe
Polski	Ελληνικά		

ADSL2+ Ethernet/USB Modem Router TD-8817

1-Port
Ethernet



Dual Flexibility
The TD-8817 offers both USB and Ethernet ports for flexible connectivity, which allow users to connect their computers via either USB or Ethernet, or both at the same time, to access the Internet.

- ADSL2+ Modem, Router and Firewall in one device
- Easy Setup Assistant provides quick & hassle free installation
- SPI and NAT firewall protects end-user devices from potential attacks from across the Internet
- Quality of Service (QoS) enables smooth VoIP, video streaming and lag-free online gaming

Specifications

- IEEE 802.3/3u, ADSL/ADSL2/ADSL2+ standards, downstream up to 24Mbps
- 1 RJ11 DSL Port, 1 10/100Mbps RJ45 LAN Port, 1 USB 1.1 Port
- Supports PPPoE, PPPoA, Static IP, Dynamic IP Internet access
- Supports Annex M, upstream up to 3.5Mbps
- Supports UPnP, Dynamic DNS, Static Routing, Flow Statistics, IPSec/PPTP, VPN Pass-through
- Built-in firewall supports IP address filtering, Domain Name filtering, and MAC address filtering for access control management
- Supports Virtual Server, Special Application, and DMZ host
- Built-in DHCP server supports automatic and dynamical IP address distributing
- Port VLAN for special LAN interface and PVC binding, makes a better IPTV application
- Auto-reconnect function for sustained internet connection



Hot

ADSL2+ Modem Router TD-8816

- ADSL2+ Modem, Router and Firewall in one device
- 1 RJ11 DSL Port, 1 10/100Mbps RJ45 LAN Port
- Easy Setup Assistant provides quick & hassle free installation
- SPI and NAT firewall protects end-user devices from potential attacks from across the Internet
- Quality of Service (QoS) enables smooth VoIP, video streaming and lag-free online gaming



ADSL2+ Ethernet/USB Modem Router TD-8811 / TD-8811B

- ADSL2+ Modem, Router and Firewall in one device
- 1 RJ11 DSL Port, 1 10/100Mbps RJ45 LAN Port, 1 USB 1.1 Port
- Easy Setup Assistant provides quick & hassle free installation
- Quality of Service (QoS) enables smooth VoIP, video streaming and lag-free online gaming



ADSL2+ Modem Router TD-8810 / TD-8810B

- ADSL2+ Modem, Router and Firewall in one device
- 1 RJ11 DSL Port, 1 10/100Mbps RJ45 LAN Port
- Easy Setup Assistant provides quick & hassle free installation
- Quality of Service (QoS) enables smooth VoIP, video streaming and lag-free online gaming

Wired ADSL2+ Modem Router

TP-LINK's wired ADSL2+ Modem Router is a 2-in-1 device that combines the functions of a high-speed DSL modem and Ethernet router. It is designed to give you an optimal way of acquiring Internet access and setting up a wired network.

High-speed Internet Access
Supporting the latest ADSL standards, the TP-LINK ADSL2+ Modem Router provides higher performance (up to 24Mbps downstream and 3.5Mbps upstream) and longer reach from the central office of your ISP.

Easy to Use
Easy Setup Assistant with multi-language support is provided in the product CD. You can easily select your mother-tongue and complete Internet connection and network configurations step by step.

Always Connected
Unlike a dial-up Internet service, a DSL Internet connection is always on so that you do not have to wait to access the Web.

Share your Internet
You can create a wired network with ADSL2+ Modem Router to share your high-speed Internet connection, documents, photos, music, videos, printers, and Network Attached Storage (NAS).

Reliable Security
Built-in firewall along with other advanced security strategies protect end-user devices from potential attacks like Denial of Service (DoS) across the Internet.

4-Port
Ethernet



ADSL2+ Modem Router TD-8840T

- ADSL2+ Modem, Router, Multi-port Switch and Firewall in one device
- 1 RJ11 DSL Port, 4 10/100Mbps RJ45 LAN Ports
- Easy Setup Assistant provides quick & hassle free installation
- SPI and NAT firewall protects end-user devices from potential attacks from across the Internet
- Quality of Service (QoS) enables smooth VoIP, video streaming and lag-free online gaming



ADSL2+ Modem Router TD-8840 / TD-8840B

- ADSL2+ Modem, Router, Multi-port Switch and Firewall in one device
- 1 RJ11 DSL Port, 4 10/100Mbps RJ45 LAN Ports
- Easy Setup Assistant provides quick & hassle free installation
- Quality of Service (QoS) enables smooth VoIP, video streaming and lag-free online gaming



ADSL2+ Modem TD-8610

- Supports the latest ADSL/ADSL2/ADSL2+ standards, up to 24Mbps downstream
- Specifications**
 - 1 RJ11 port, 1 10/100Mbps auto-Negotiation ports
 - Support 8 PVCs



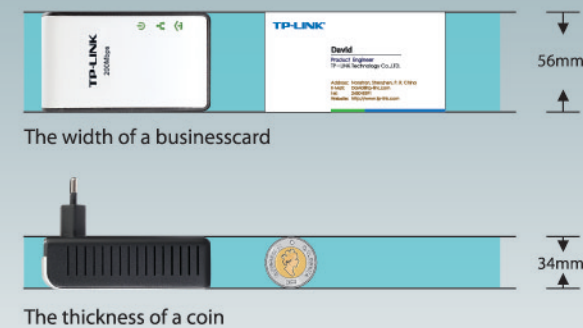
ADSL2+ Modem TD-8616

- Supports the latest ADSL/ADSL2/ADSL2+ standards, up to 24Mbps downstream
- Specifications**
 - 1 RJ11 port, 1 10/100Mbps auto-Negotiation ports
 - Support 8 PVCs

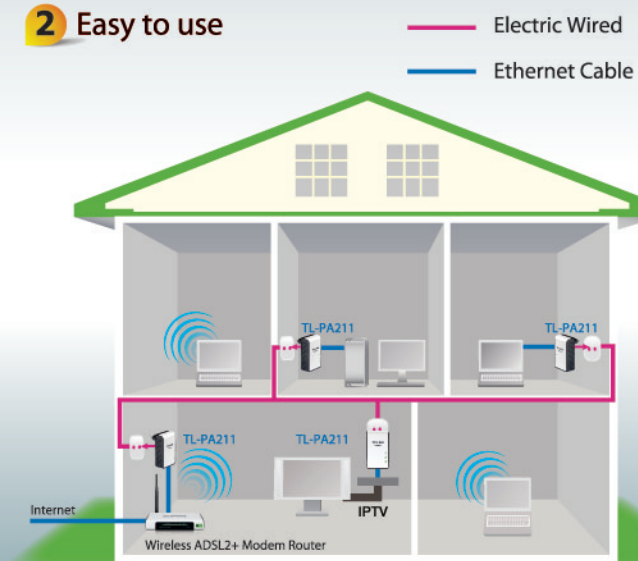
Internet Wherever There's An Outlet!



1 Remarkably Small



2 Easy to use



- 1 Ethernet Port, Homeplug AV standard, IEEE 802.3, IEEE 802.3u
- Turns your existing powerlines into an Ethernet network connection, just plug and play
- High data rate up to 200Mbps, fast enough for HD video streaming
- Up to 300 meter range over the household power circuit for better performance through walls or across floors
- QoS assures the quality of bandwidth sensitive applications such as voice, video and online games
- Powerful 128-bit AES encryption ensures privacy and security for powerline communications
- Easily to connect your Powerline Ethernet network by just pushing a button
- Patented power save mode reduces power consumption by up to 65%
- A wide range of plug type including EU, UK, AU and US ensures that it can be used nearly all over the world
- Supports Windows 7/Vista/2003/XP/2000/98SE, Mac OS, Linux*

* Utility Support Windows 7 32/64 bit, Vista 32/64 bit, Windows XP 32/64 bit for the present



- 1 Ethernet Port, Homeplug Turbo Standard, IEEE 802.3, IEEE 802.3u
- Turns your existing powerlines into an Ethernet network connection, just plug and play
- High data rate up to 85Mbps
- Up to 200 meter range over the household power circuit for better performance through walls or across floors
- QoS assures the quality of bandwidth sensitive applications such as voice, video and online games
- Powerful 56-bit DES encryption ensures privacy and security for powerline communications
- Patented power save mode reduces power consumption by up to 30%
- A wide range of plug type including EU, UK, AU and US ensures that it can be used nearly all over the world
- Supports Windows 7/Vista/2003/XP/2000/98SE, Mac OS, Linux*

* Utility Support Windows 7 32/64 bit, Vista 32/64 bit, Windows XP 32/64 bit for the present



AV200 Mini Powerline Adapter TL-PA211

New



- 1 Ethernet Port, Homeplug AV standard, IEEE 802.3, IEEE 802.3u
- Super Mini Size with a new outward, blends in completely in front of any power outlet
- Turns your existing powerlines into an Ethernet network connection, just plug and play
- High data rate up to 200Mbps, fast enough for HD video streaming
- Up to 300 meter range over the household power circuit for better performance through walls or across floors
- QoS assures the quality of bandwidth sensitive applications such as voice, video and online games
- Easily to establish a powerful 128-bit AES encryption connection by just pushing a button
- Patented power save mode reduces power consumption by up to 65%
- A wide range of plug type including EU, UK, AU and US ensures that it can be used nearly all over the world
- Supports Windows 7/Vista/2003/XP/2000/98SE, Mac OS, Linux*

* Utility Support Windows 7 32/64 bit, Vista 32/64 bit, Windows XP 32/64 bit for the present

HS85 Mini Powerline Adapter TL-PA111

New



- 1 Ethernet Port, high data rate up to 85Mbps
- Up to 200 meter range
- Powerful 56-bit DES encryption
- A wide range of plug type including EU, UK, AU and US
- Supports Windows 7/Vista/2003/XP/2000/98SE, Mac OS, Linux*

AV200+ Powerline Adapter with AC Pass-Through TL-PA251

New



- The integrated socket ensures that no electrical outlet is lost
- 1 Ethernet Port, high data rate up to 200Mbps
- Up to 300 meter range
- Powerful 128-bit AES encryption
- A wide range of plug type including EU, UK, AU and US
- Supports Windows 7/Vista/2003/XP/2000/98SE, Mac OS, Linux*

Day/Night Surveillance Camera

TL-SC3171 & TL-SC3171G



New

TP-LINK day/night surveillance cameras TL-SC3171 & TL-SC3171G were developed to provide you with true around the clock surveillance.

FACTORS	TP-LINK TL-SC3171 / TL-SC3171G
Image Sensor	1/4" CMOS sensor
Min illumination / Light sensitivity (Color)	0.5 Lux (0 Lux when IR on)
Lens	f 4.3mm, F2.0
Max Resolution	VGA (640x480) 0.3 Megapixel
Max Frames per second	30 at 640x480 Resolution
Color Fidelity and clear night vision effect	Mechanical ICR
Scheduled Motion Detection	✓
MSN View	✓
Mobile View	✓
HTTPS / SSL	✓
Supported Operation System	Windows; MAC OS; Linux
Supported Browser	IE; Firefox; Safari; Google Chrome

MSN View

The most innovative in monitoring methods using MSN as a medium through, which to view live, uninterrupted video from anywhere in the World as simply as having a chat with friends or family.

Night Vision

TL-SC3171G/SC3171 use the IR illuminator and get good quality images around the clock, even in low-light situations which are almost invisible to the naked eye.



Night vision

Mechanical ICR



- Ensures the vivid image in the day
- Produces the clear monochrome video at night
- Provides true day/night surveillance, which cannot be realized with traditional IR filters



With ICR engaged



With ICR disengaged

Wireless Day/Night Surveillance Camera

TL-SC3171G



New

- Vivid image in the day and clear monochrome in the dark
- 10 meter (32.8 feet) night vision distance
- Stable and fast 54Mbps wireless connectivity
- 2-way audio transmission
- Live view through MSN chatting windows
- Remote view on 3G mobile phones, such as iPhone 3G
- Bundled 16-channel central management software



Day/Night Surveillance Camera

TL-SC3171



New

- Vivid image in the day and clear monochrome in the dark
- 10 meter (32.8 feet) night vision distance
- Stable and fast 54Mbps wireless connectivity
- 2-way audio transmission
- Live view through MSN chatting windows
- Remote view on 3G mobile phones, such as iPhone 3G
- Bundled 16-channel central management software



Wireless 2-way Audio Surveillance Camera

TL-SC3130G



Hot

- 1/4" Progressive Scan sensor with VGA resolution (0.3 Megapixel)
- Excellent low light sensitivity (Min illumination at 0.5 Lux)
- Stable and fast 54Mbps wireless connectivity
- 2-way audio transmission
- Live view through MSN chatting windows
- Remote view on 3G mobile phones, such as iPhone 3G
- Delivers MPEG-4 and MJPEG streams simultaneously
- Bundled 16-channel central management software



2-way Audio Surveillance Camera

TL-SC3130



- 1/4" Progressive Scan sensor with VGA resolution (0.3 Megapixel)
- Excellent low light sensitivity (Min illumination at 0.5 Lux)
- 2-way audio transmission
- Live view through MSN chatting windows
- Remote view on 3G mobile phones, such as iPhone 3G
- Delivers MPEG-4 and MJPEG streams simultaneously
- Bundled 16-channel central management software



Print Servers>>



54Mbps Pocked-Sized Wireless Print Server

TL-WP510U

- Enables multiple-users to share a USB high-speed printer wirelessly
- IEEE 802.11g/b Standard, Wireless speed up to 54Mbps
- High compatibility with the majority of USB printers on the market
- Supports WEP 64/128 bits encryption and WPA/WPA2-PSK security
- Easy to configure, manage and use
- OS: Windows 7/Vista/2003/XP/2000, Unix/Linux, MAC OS X 10.2 or higher

* Utility Support Windows 7/Vista/2003/XP/2000 for the present



Single USB2.0 Port MFP and Storage Server

TL-PS310U

- Enables multiple-users to share a USB Multi-function printer
- Enables multiple-users to share a USB storage device
- High compatibility with the majority of USB Multi-Function Printer
- Supports the Multi-function Printer's functions of printing, scanning, fax and copy
- Supports the extension of connecting up to 4 USB devices via a USB hub
- Easy to configure, manage and use
- OS: Windows 7/Vista/XP/2000



Single USB2.0 Port Fast Ethernet Print Server

TL-PS110U

- Enables multiple-users to share a USB high-speed printer
- High compatibility with the majority of USB printers on the market
- Easy to configure, manage and use
- Compact Size for Flexible Placement
- OS: Windows 7/Vista/2003/XP/2000, Unix/Linux, MAC OS X 10.2 or higher

* Utility Support Windows 7/Vista/2003/XP/2000 for the present



Single Parallel Port Fast Ethernet Print Server

TL-PS110P

- Enables multiple-users to share a Parallel printer
- High compatibility with the majority of USB printers on the market
- Easy to configure, manage and use
- Compact Size for Flexible Placement
- OS: Windows 7/Vista/2003/XP/2000, Unix/Linux, MAC OS X 10.2 or higher

* Utility Support Windows 7/Vista/2003/XP/2000 for the present

Simple Yet Effective



Hot 4-Port Cable/DSL Router TL-R460

- Built-in 4 10/100Mbps switch
- 802.1x, PPPoE, Dynamic IP, Static IP, L2TP, PPTP and Bigpond Internet connection options easily connect to Internet
- Time-based access control allows parents or administrators to establish restricted access policies for children or staff
- Built-in DHCP server supports static IP address distributing
- Built-in firewall supports IP address filtering, Domain Name filtering, and MAC address filtering
- IP and MAC binding function can effectively prevent ARP virus attacks
- Virtual Server, Special Application, DMZ host and UPnP help you build your own servers
- DDNS helps you realize the remote management easily with the domain name
- IP based bandwidth control allows administrators to determine how much bandwidth is allotted to each PC which guarantees the performance of VoIP or video application
- Powerful DoS attack protection can safeguard your network
- Easy Setup Assistant provides quick & hassle free installation

* The features in yellow, TL-R402M does not support



8-Port Cable/DSL Router
TL-R860



4-Port Cable/DSL Router
TL-R402M

Saving Your Business Energy With TP-LINK Green Switches

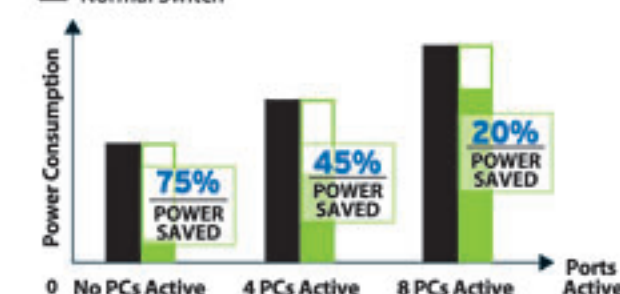


Power down Idle Ports

When a computer is off, the corresponding port of a traditional switch will continue to consume considerable amounts of power, called ghost loads. The TP-LINK GREEN switch can automatically detect the link status of each port and reduce the power consumption of ports that are idle.



TP-LINK Green Switch Normal Switch

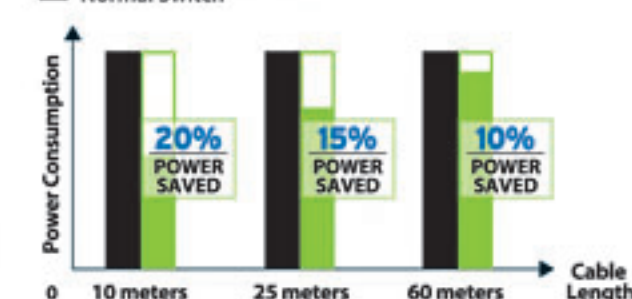


Power Budget According to Cable Length

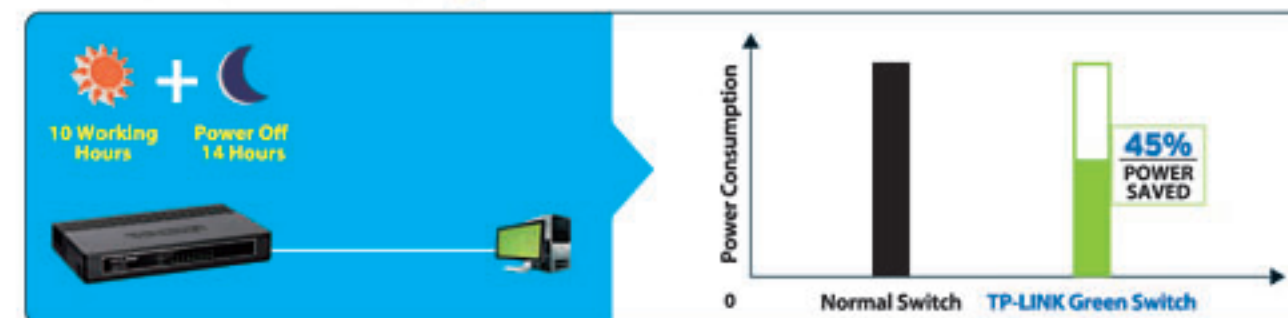
Ideally, shorter cables would use less power because of less power degradation over their length, however this is not the case with most devices as they will use the same amount of power across the cable regardless of whether it is 10 or 50 meters in length. The TP-LINK GREEN switch analyzes the length of the Ethernet cable connected and adjusts the power usage accordingly, rather than keeping the power consumption in a conventional solution.



TP-LINK Green Switch Normal Switch



Overall Power Savings



Example 1: Green Technology Savings



Take a medium-sized enterprise with 500-1000 employees using about 100 devices for example.




$4.1 / \text{switch} \times 100 \text{ switches} = 410W$; $410W / 1000 = 0.41 \text{ kilowatts}$

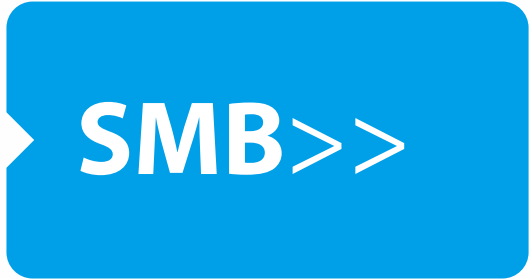
$0.41 \text{ kilowatts} \times 24 \text{ hours} \times 365 = 3591.6 \text{ kilowatt-hours}$; $3591.6 \text{ kilowatt-hours} \times 1.25 \text{ lb CO}_2 / \text{kilowatt-hour} = 4489.5 \text{ lbs of CO}_2 \text{ reduced !!}$

By using TP-LINK Green Technology, this enterprise not only saves on the cost of electricity (3591.6 kilowatt-hours), but also reduces their carbon footprint by 4489.5 lbs, this is the equivalent of planting 120 trees every year.

* Here we take TL-SG1008D for example, the power saving capacity will be different for various Model.

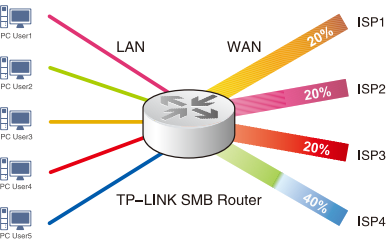
Gigabit Desktop Switch		
		
MODEL NO.	TL-SG1005D	TL-SG1008D
PRODUCT DESCRIPTION	5-Port Gigabit Desktop Switch	8-Port Gigabit Desktop Switch
10/100/1000MBPS RJ45 PORTS	5	8
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√
AUTO UPLINK EVERY PORT	√	√
BANDWIDTH/BACKPLANE	10G	16G
MAC ADDRESS TABLE	8K	8K
802.3X FLOW CONTROL & BACKPRESSURE	√	√
GREEN ETHERNET	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward
STATUS LEDS	√	√
SAFETY & EMISSION	CE, FCC	CE, FCC
POWER SUPPLY	External Power Adapter	External Power Adapter
PLUG-AND-PLAY	√	√
HOUSING	Plastic Case Desktop & Wall-mount	Plastic Case Desktop & Wall-mount
DIMENSIONS (WxDxH)	165mmx108mmx28mm (6.5x4.3x1.1 in.)	165mmx108mmx28mm (6.5x4.3x1.1 in.)

10/100Mbps Desktop Switch			
			
MODEL NO.	TL-SF1005D	TL-SF1008D	TL-SF1016D
PRODUCT DESCRIPTION	5-Port 10/100Mbps Desktop Switch	8-Port 10/100Mbps Desktop Switch	16-Port 10/100Mbps Desktop Switch
10/100MBPS RJ45 PORTS	5	8	16
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√
AUTO UPLINK EVERY PORT	√	√	√
BANDWIDTH/BACKPLANE	1G	1.6G	3.2G
MAC ADDRESS TABLE	1K	1K	1K
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward
STATUS LEDS	√	√	√
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	External Power Adapter	External Power Adapter	External Power Adapter
PLUG-AND-PLAY	√	√	√
HOUSING	Plastic Case Desktop & Wall-mount	Plastic Case Desktop & Wall-mount	Plastic Case Desktop & Wall-mount
DIMENSIONS (WxDxH)	140mmx87mmx27.5mm (5.5x3.4x1.1 in.)	140mmx87mmx27.5mm (5.5x3.4x1.1 in.)	200mmx142mmx40mm (7.9x5.6x1.6 in.)



Load Balancing, automatically selects the best line according to the load

The internal automatic line diversion strategy can distribute data streams according to the bandwidth proportion and occupancy rate to raise the utilization rate of multi-line broadband. Moreover, you can manually manage the bandwidth of WAN in the form of a percentage. That’s very easy to set the load balancing policy for you. Users can truly experience multi-line broadband through the full use of multi-line resources. (Only for TL-R480T+/ TL-R488T/TL-R4299G)



IP and Port Based QoS

Quality of service guarantees are important if the network capacity is insufficient, especially for real-time streaming multimedia applications such as VoIP and IPTV. TP-LINK SMB broadband routers supports IP and port based QoS, it enables you to stream multimedia, Video Teleconferencing, and gaming with high performance.

IP and MAC Address binding efficiently avoids network attack

IP and MAC Address binding ensures that only those computers that pass verification using both the correct IP and MAC address can access the network thereby limiting the ability of hostile entities to attack the network.

Strong firewall forcefully prevents attacks from intruders and viruses

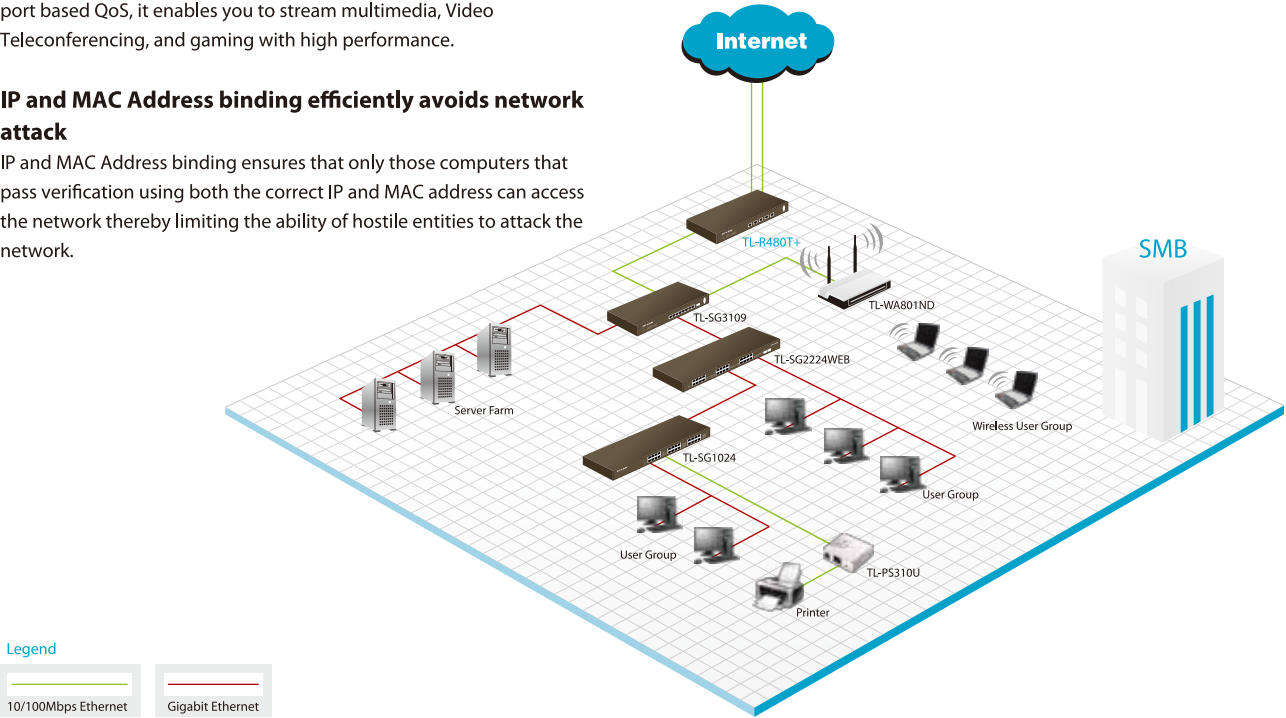
NAT firewall, strong attack and defense functions, internal and external attack precautions protect the network from various intruders and attacks.

WAN interface online detecting and testing

WAN interface online detection and testing is to inspect the connectivity of lines through PING/Tracert detecting or DNS request, and it is of great help for administrators to check and rule out barriers and mistakes.





Safety Minded Enterprise Investments

Professional lightning protection technology is designed to prevent electrical surges from penetrating the interior of the electrical equipment and is discharged harmlessly into the Earth, so as to prevent lightning up to 6Kv in well-grounded connection conditions. This technology ensures that networking infrastructure investments remain as safe as possible from one of mother nature’s more violent situations.



	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R480T+	Dual WAN Load Balance Broadband Router
SWITCH	TL-SG3109	8-Port Gigabit L2 Managed Switch with 1 SFP Slot
SWITCH	TL-SG2224WEB	24-Port Gigabit Web Smart Switch with 2 Combo SFP Slots
SWITCH	TL-SG1024	24-Port Gigabit Unmanaged Rackmount Switch
WIRELESS AP	TL-WA801ND	Wireless N Access Point
WIRELESS ADAPTER	TL-WN821N	Wireless N USB Adapter
PRINT SERVER	TL-PS310U	USB Storage and MFP Print Server
ADAPTER	TG-3269	Gigabit PCI Network Adapter

SMB Broadband Router

						
MODEL NO.			TL-R480T	TL-R480T+	TL-R488T	TL-R4299G
PRODUCT DESCRIPTION			Load Balance Broadband Router	Dual-WAN Load Balance Broadband Router	Quad-WAN Load Balance Broadband Router	Dual-WAN Gigabit Load Balance Broadband Router
PORTS	LAN		4 10/100Mbps	3 10/100Mbps	1 10/100Mbps	8 10/100/1000Mbps
	WAN		1 10/100Mbps	2 10/100Mbps	4 10/100Mbps	2 10/100Mbps
	CONSOLE		1	1	1	1
	SFP		0	0	0	1 Gigabit
RAM			128Mbits	256Mbits	256Mbits	256Mbits
MAXIMUM NUMBER OF CONCURRENT SESSIONS			65,000	65,000	65,000	100,000
DHCP	DHCP SERVER		1024/256	1024/256	1024/256	4096/256
	DHCP CLIENT		√	√	√	√
MAC ADDRESS MODIFY/CLONE			√	√	√	√
COMMON FUNCTION						
VPN PASS-THROUGH	PPTP / L2TP		√	√	√	√
	IPSEC		√	√	√	√
DIAL-UP	PPPOE/STATIC IP/DYNAMIC		√	√	√	√
	STATIC IP+802.1X		√	√	√	√
	DYNAMIC+802.1X		√	√	√	√
DYNAMIC DNS			√	√	√	√
CONNECT ON DEMAND			√	√	√	√
TIME-BASED CONNECTING			√	√	√	√
QOS						
PORT BANDWIDTH			√	√	√	√
IP BANDWIDTH CONTROL	SUPPORT OR NOT		√	√	√	√
	GRANULARITY		16/400	16/400	16/400	32/1024
IP CONNECTION SESSION CONTROL			16/512	16/512	16/512	32/1024
CONNECTION SESSION LIST			√	√	√	√
PORT SETTINGS						
VLAN	SUPPORT OR NOT		√	√	×	√
	MODE		Port based	Port based	×	Port based
	ENTRIES		4	3	×	9
PORT MIRRORING			√	√	√	√
FLOW STATISTICS			√	√	√	√
LAN AND WAN PORT SETTING			√	√	√	√
FORWARDING RULES						
VIRTUAL SERVER			√ (32Entries)	√ (32Entries)	√ (32Entries)	√ (32Entries)
SPECIAL APPLICATION			√ (16Entries)	√ (16Entries)	√ (16Entries)	√ (16Entries)
STATIC ROUTING			√ (16Entries)	√ (16Entries)	√ (16Entries)	√ (16Entries)
DMZ HOST			√	√	√	√
UPNP			√	√	√	√
FIREWALL FUNCTION						
FIREWALL RULES SETTING			√ (128Entries)	√ (128Entries)	√ (128Entries)	√ (128Entries)
MAC ADDRESS FILTERING			√ (256Entries)	√ (256Entries)	√ (256Entries)	√ (256Entries)
DOMAIN NAME FILTERING			√ (128Entries)	√ (128Entries)	√ (128Entries)	√ (128Entries)
IP/MAC ADDRESS BINDING			√ (512Entries)	√ (512Entries)	√ (512Entries)	√ (1024Entries)
ATTACK PREVENTION	DOS PROTECTION		√	√	√	√
	SCAN PROTECTION		√	√	√	√
	IP PACKETS CONTAINING OPTIONS		√	√	√	√
	SUSPICIOUS PACKAGE		√	√	√	√
SYSTEM FUNCTION						
REMOTE MANAGEMENT			√	√	√	√
SYSTEM LOG			√	√	√	√
CONFIGURATION FILE RESTORE & BACKUP			√	√	√	√
TFTP UPGRADE			×	×	×	×
WEB UPGRADE			√	√	√	√
HTTPS CONFIGURATION			√	√	√	√
COMMON FUNCTION IN INTERNET CAFES						
FLOW STATISTICS			√	√	√	√
MULTI-WAN FUNCTION	WAN LOAD BALANCING	BANDWIDTH OCCUPANCY	√	√	√	√
		WAN IP TRACING	√	√	√	√
		FLOW EQUALIZER ENTRIES	128	128	128	128
	WAN BANDWIDTH PERCENTAGE DISPLAY		√	√	√	√
	LAN IP STATISTICS		√	√	√	√
	DETECTING ONLINE	ICMP DETECTING	√	√	√	√
		DNS DETECTING	√	√	√	√
		TCP CONNECTING TEST	√	√	√	√
DIMENSIONS(W×D×H)			294mmx180mmx44mm	294mmx180mmx44mm	294mmx180mmx44mm	440mmx220mmx44mm

1.L2 Fully Managed Switch

Manageability

- Single-IP-Management supports virtual stack of 32 units
- Supports Telnet, Cisco Like CLI, SNMP v1/v2c/v3, RMON and Web Access
- Supports SSL and SSH encryptions

Security

- IP Source Guard prevents IP spoofing attacks such as DoS
- Supports multiple industry standard user authentication methods such as 802.1x, RADIUS and TACACS Authentication and Guest Vlan
- Supports 512 IP-MAC-Port-VID Binding entries
- L2/L3/L4 Access Control Lists restrict untrusted access to the protected resource
- Port Security enhances the security of all ports

Layer 2 Switching

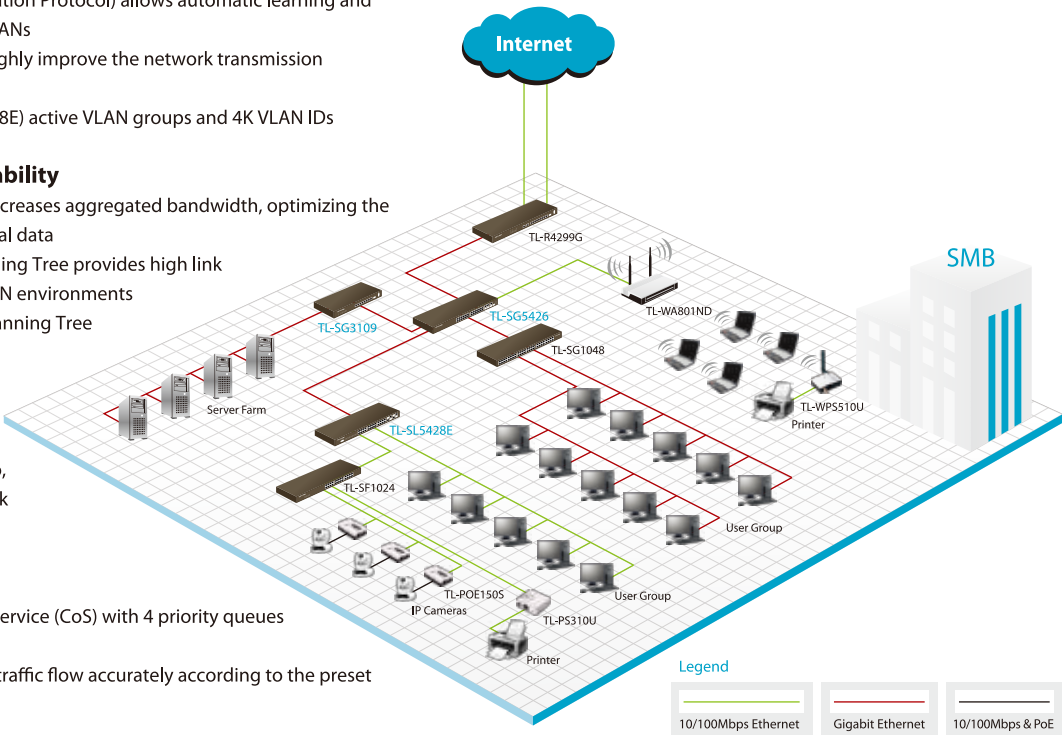
- Non-blocking Layer 2 Switching Capacity
- 802.1Q and 802.1Q tunneling (Q-in-Q) provide point-to-point and multipoint Ethernet services
- GVRP (GARP VLAN Registration Protocol) allows automatic learning and dynamic assignment of VLANs
- Supports Port Trunking, highly improve the network transmission capacity
- Supports 255/4K(TL-SL5428E) active VLAN groups and 4K VLAN IDs

Resiliency and Availability

- Link aggregation (LACP) increases aggregated bandwidth, optimizing the transport of business critical data
- IEEE 802.1s Multiple Spanning Tree provides high link availability in multiple VLAN environments
- Support IEEE 802.1d/w Spanning Tree (STP/RSTP)
- IGMP snooping allows the forwarding of multicast packets such as streaming audio and video, without increasing network broadcast congestion



Quality of Service

- Supports 802.1P, Class of Service (CoS) with 4 priority queues per port
- Rate limiting confines the traffic flow accurately according to the preset value



	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R4299G	Dual WAN Gigabit Load Balance Broadband Router
SWITCH	TL-SG5426	24-Port Gigabit L2 Fully Managed Switch with 4 SFP Slots
SWITCH	TL-SL5428E	24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch
SWITCH	TL-SG3109	8-Port Gigabit L2 Managed Switch with 1 SFP Slot
SWITCH	TL-SG1048	48-Port Gigabit Switch
SWITCH	TL-SF1024	24-Port 10/100Mbps Fast Ethernet Switch
WIRELESS AP	TL-WA801ND	Wireless N Access Point
PRINT SERVER	TL-WPS510U	Pocket-sized Wireless Print Server
PRINT SERVER	TL-PS310U	USB Storage and MFP Print Server
POE	TL-POE150S	PoE Injector

L2 Fully Managed Switch

		
MODEL	TL-SG5426	TL-SL5428E
PRODUCT DESCRIPTION	24-Port Gigabit L2 Fully Managed Switch with 4 SFP Slots	24-Port 10/100Mbps + 4-Port Gigabit L2 Fully Managed Switch
10/100MBPS RJ45 PORTS	0	24
10/100/1000MBPS RJ45 PORTS	26	4
GIGABIT SFP PORTS	4	2
RJ45 CONSOLE PORT	1	1
STANDARDS	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.3ad, 802.1q, 802.1p, 802.1x, 802.1d, 802.1w, 802.1s	
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√
AUTO UPLINK EVERY PORT	√	√
BANDWIDTH/BACKPLANE	52G	12.8G
MAC ADDRESS TABLE	8K	8K
JUMBO FRAME	9K	10K (Gigabit port)
802.3X FLOW CONTROL & BACKPRESSURE	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward
QOS	4 queues/port 802.1p/IP DSCP based COS, TOS	4 queues/port 802.1p/IP DSCP based COS
VLAN	Port/Tag-based/Private/ Protocol-based VLAN, GVRP, Q-in-Q	Port/Tag-based/voice/ MAC-based/ Protocol-based VLAN, GVRP, Q-in-Q
BROADCAST STORM CONTROL	√	√
RATE LIMIT	√	√
PORT MIRRORING	√	√
PORT TRUNKING	√	√
802.3AD AND LACP	√	√
ACL(Access Control List)	L2/3/4, 100 entries	L2/3/4, 240 entries
IP SOURCE GUARD	√	√
SPANNING TREE	STP & RSTP & MSTP	STP & RSTP & MSTP
IGMP SNOOPING	v1, v2, v3	v1, v2, v3
SNMP	v1, v2, v3	v1, v2, v3
RMON (4 GROUPS)	1, 2, 3 & 9	1, 2, 3 & 9
IEEE 802.1X (RADIUS/ TACACS+)	√	√ (Only Radius)
DHCP	Client, Snooping	Client, Snooping, Option 82 Relay,
VIRTUAL STACK	32units	32units
MANAGEMENT	CLI, Telnet, Web-based	CLI, Telnet, Web-based
SSL/SSH/HTTPS	√	√
FIRMWARE UPGRADE	TFTP	Web Interface
FANLESS	×	√
SAFETY & EMISSION	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power
DIMENSIONS (W×D×H)	440mmx230mmx44mm (17.3x9.0x1.7in.)	440mmx260mmx44mm (17.3x10.2x1.7in.)
HOUSING	Steel Case Rack-mount	Steel Case Rack-mount

2. L2 Managed Switch

Manageability

Supports Telnet, SNMP v1/v2c/v3, RMON and Web Access

Supports SSH encryptions

Security

Supports the configuration function of Port Security,

Broadcast/Multicast Storm Control and Port Mirroring

Supports multiple industry standard user authentication methods such as 802.1x, RADIUS

Management ACL: Based on IP/VLAN/LAG/Port

Layer 2 Switching

Non-blocking L2 Lite Switching Capacity

GVRP (GARP VLAN Registration Protocol) allows automatic learning and dynamic assignment of VLANs

Supports Port Trunking

Supports 255 active VLAN groups and 4K VLAN IDs

Quality of Service

Supports 802.1P, Class of Service (CoS) with 4 priority queues per port

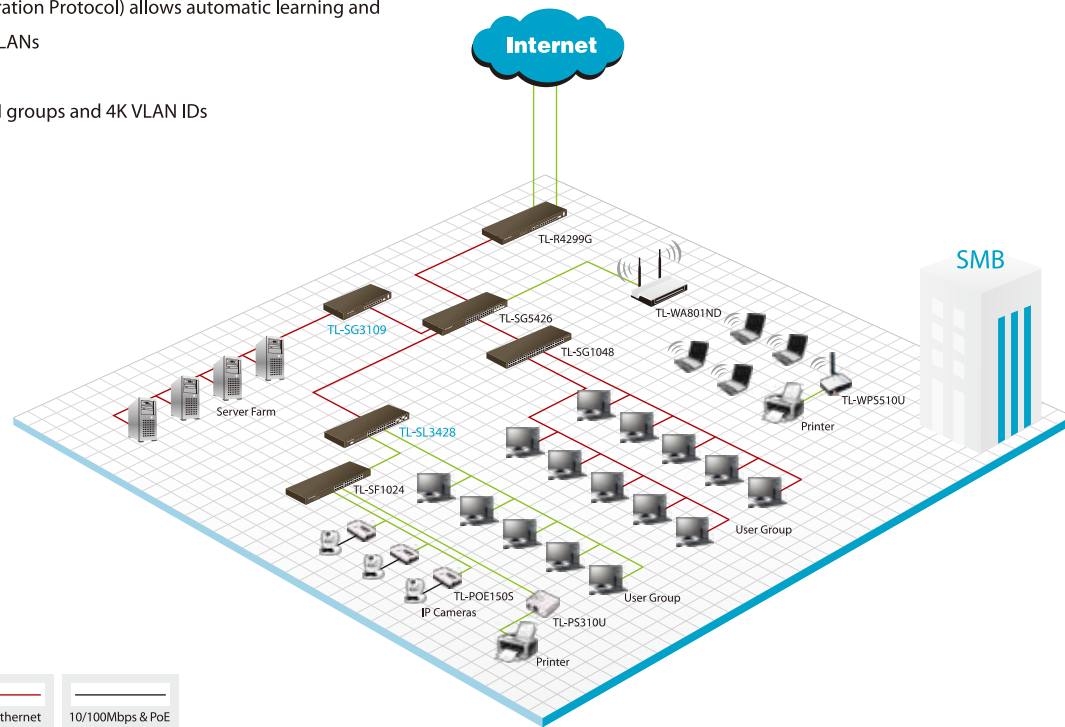
Resiliency and Availability

IEEE 802.1s Multiple Spanning Tree provides high link availability in multiple VLAN environments

Support IEEE 802.1d/w Spanning Tree (STP/RSTP)

Supports IEEE 802.3ad port trunk with LACP

IGMP snooping allows the forwarding of multicast packets such as streaming Audio and video, without increasing network broadcast congestion






Legend

10/100Mbps Ethernet Gigabit Ethernet 10/100Mbps & PoE

	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R4299G	Dual WAN Gigabit Load Balance Broadband Router
SWITCH	TL-SG5426	24-Port Gigabit L2 Fully Managed Switch with 4 SFP Slots
SWITCH	TL-SL3428	24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch
SWITCH	TL-SG3109	8-Port Gigabit L2 Managed Switch with 1 SFP Slot
SWITCH	TL-SG1048	48-Port Gigabit Switch
SWITCH	TL-SF1024	24-Port 10/100Mbps Fast Ethernet Switch
WIRELESS AP	TL-WA801ND	Wireless N Access Point
PRINT SERVER	TL-WP5510U	Pocket-sized Wireless Print Server
PRINT SERVER	TL-PS310U	USB Storage and MFP Print Server
POE	TL-POE150S	PoE Injector

L2 Managed Switch

			
MODEL NO.	TL-SG3109	TL-SL3428	TL-SL3452
PRODUCT DESCRIPTION	8-Port Gigabit L2 Managed Switch with 1 SFP Slot	24-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch	48-Port 10/100Mbps + 4-Port Gigabit L2 Managed Switch
10/100MBPS RJ45 PORTS	0	24	48
10/100/1000MBPS RJ45 PORTS	8	2	2
GIGABIT SFP PORTS	1	2	2
RS232 CONSOLE PORT	1	1	1
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√
AUTO UPLINK EVERY PORT	√	√	√
BANDWIDTH/BACKPLANE	18G	12.8G	17.6G
MAC ADDRESS TABLE	8K	8K	8K
JUMBO FRAME	×	×	×
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward
PRIORITY QUEUES	4	4	4
VLAN	Port-based & Tag & GARP&GVRP	Port-based & Tag & GARP&GVRP	Port-based & Tag & GARP&GVRP
BROADCAST STORM CONTROL	√	√	√
PORT CONFIGURATION	√	√	√
PORT MIRRORING	√	√	√
PORT TRUNKING	√	√	√
802.3AD AND LACP	√	√	√
SPANNING TREE	STP & RSTP & MSTP	STP & RSTP & MSTP	STP & RSTP & MSTP
IGMP SNOOPING	√	√	√
SNMP	v1, v2, v3	v1, v2, v3	v1, v2, v3
RMON (4 GROUPS)	1, 2, 3 & 9	1, 2, 3 & 9	1, 2, 3 & 9
IEEE 802.1X (RADIUS)	√	√	√
MANAGEMENT	CLI, Telnet, Web-based	CLI, Telnet, Web-based	CLI, Telnet, Web-based
SSL/SSH/HTTPS	√	√	√
FIRMWARE UPGRADE	SFTP, TFTP	SFTP, TFTP	SFTP, TFTP
VIRTUAL CABLE TEST	√	√	√
STATUS LEDS	√	√	√
FANLESS	√	√	√
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power	Internal Power
Housing	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount
Dimensions (WxDxH)	294mmx180mmx44mm (11.6x7.1x1.7 in.)	440mmx220mmx44mm (17.3x8.7x1.7in.)	440mmx260mmx44mm (17.3x10.2x1.7 in.)

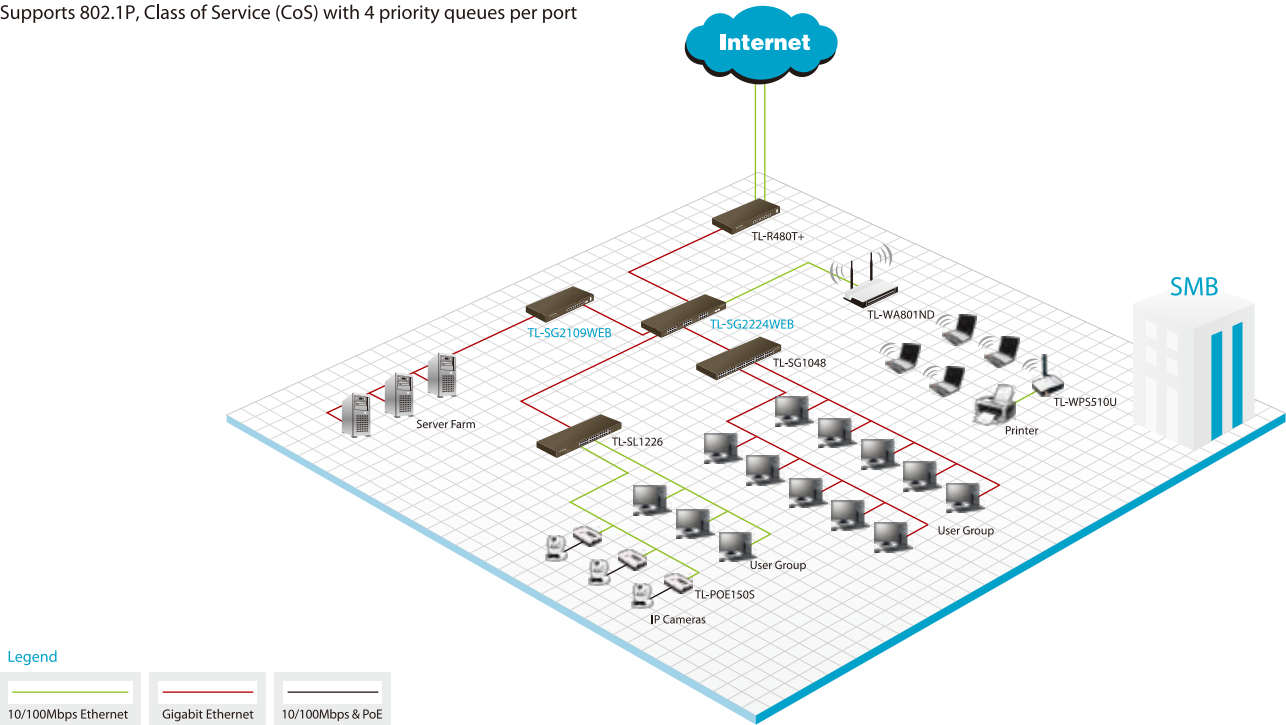
3. Web Smart Switch

Manageability
Quick and easy setup with Web-based management
Supports Virtual Cable Test

Security
Supports Static MAC address and filtering MAC address management
Supports the configuration function of Port Security, Broadcast Storm Control and Port Mirroring



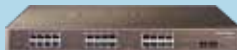
Layer 2 Switching
Supports Auto Negotiation and Auto MDI/MDIX, Plug & Play
Supports 802.3x Flow control
Non-blocking switching architecture that forwards and filters packets at full wire-speed for maximum throughput
Supports Port Trunking
Supports Port-Based VLAN and IEEE 802.1Q Tag VLAN





Quality of Service
Supports 802.1P, Class of Service (CoS) with 4 priority queues per port



	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R480T+	Dual WAN Load Balance Broadband Router
SWITCH	TL-SG2224WEB	24-Port Gigabit Web Smart Switch with 2 Combo SFP Slots
SWITCH	TL-SG2109WEB	8-Port Gigabit Web Smart Switch with 1 SFP Slot
SWITCH	TL-SG1048	48-Port Gigabit Switch
SWITCH	TL-SL1226	24-Port 10/100Mbps + 2-Port Gigabit Switch
WIRELESS AP	TL-WA801ND	Wireless N Access Point
PRINT SERVER	TL-WP5510U	Pocket-sized Wireless Print Server
POE	TL-POE150S	PoE Injector

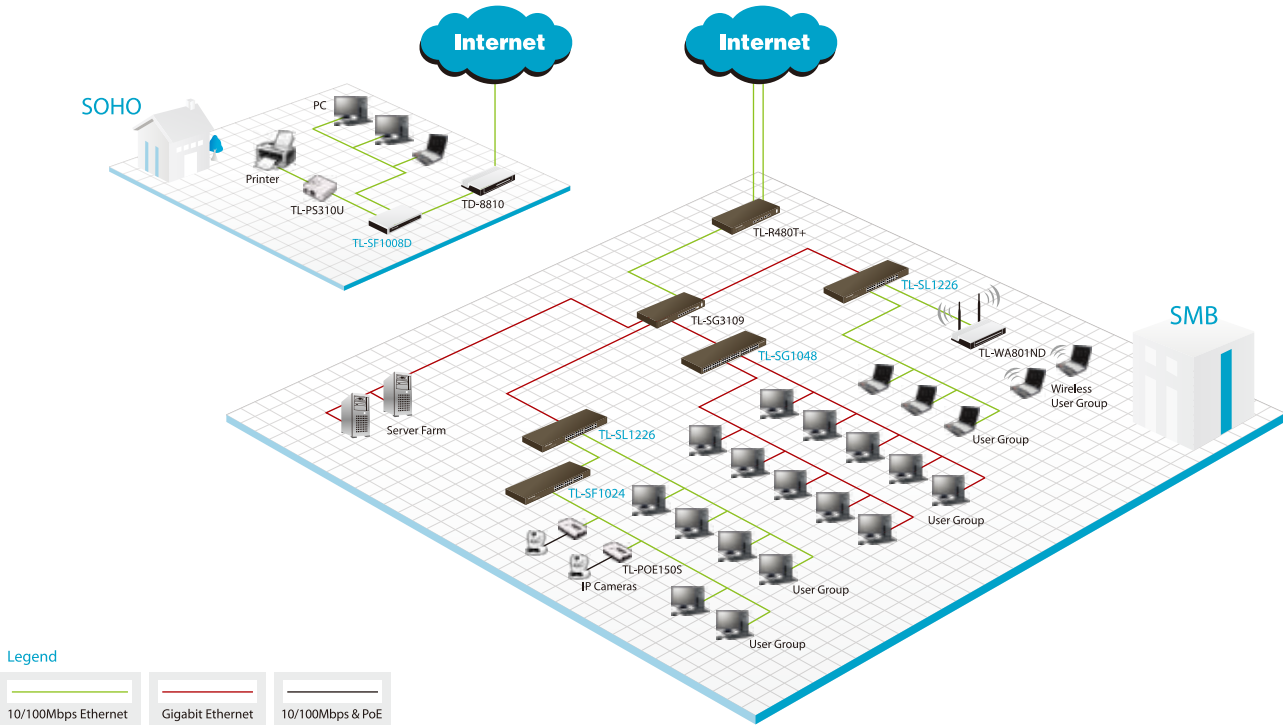
Web Smart Switch

			
MODEL NO.	TL-SG2109WEB	TL-SG22216WEB	TL-SG2224WEB
PRODUCT DESCRIPTION	8-Port Gigabit Web Smart Switch with 1 SFP Slot	16-Port Gigabit Web Smart Switch with 2 Combo SFP Slots	24-Port Gigabit Web Smart Switch with 2 Combo SFP Slots
10/100/1000MBPS RJ45 PORTS	8	16	24
GIGABIT SFP PORTS	1	2 (Shared with port 15, 16)	2 (Shared with port 23, 24)
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√
AUTO UPLINK EVERY PORT	√	√	√
BANDWIDTH/BACKPLANE	18G	32G	48G
MAC ADDRESS TABLE	8K	8K	8K
JUMBO FRAME	9K	10K	10K
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward
PRIORITY QUEUES	4	4	4
VLAN	Port-based & Tag & MTU	Port-based & Tag & MTU	Port-based & Tag & MTU
BROADCAST STORM CONTROL	√	√	√
RATE LIMITE	√	x	x
PORT CONFIGURATION	√	√	√
PORT MIRRORING	√	√	√
PORT TRUNKING	√	√	√
MANAGEMENT	Web-based	Web-based	Web-based
FIRMWARE UPGRADE	TFTP	TFTP	TFTP
VIRTUAL CABLE TEST	√	√	√
STATUS LEDS	√	√	√
FANLESS	√	x	x
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power	Internal Power
HOUSING	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount
DIMENSIONS (WxDxH)	294mmx180mmx44mm (11.6x7.1x1.7 in.)	440mmx260mmx44mm (17.3x10.2x1.7 in.)	440mmx260mmx44mm (17.3x10.2x1.7 in.)




Web Smart Switch				
				
MODEL NO.	TL-SL2210WEB	TL-SL2218WEB	TL-SL2428WEB	TL-SL2452WEB
PRODUCT DESCRIPTION	8-Port 10/100Mbps + 2-Port Gigabit Web Smart Switch	16-Port 10/100Mbps + 2-Port Gigabit Web Smart Switch	24-Port 10/100Mbps + 4-Port Gigabit Web Smart Switch	48-Port 10/100Mbps + 4-Port Gigabit Web Smart Switch
10/100MBPS RJ45 PORTS	8	16	24	48
10/100/1000MBPS RJ45 PORTS	1	1	2	2
GIGABIT SFP PORTS	1	1	2	2
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√	√
AUTO UPLINK EVERY PORT	√	√	√	√
BANDWIDTH/BACKPLANE	5.6G	7.2G	12.8G	17.6G
MAC ADDRESS TABLE	8K	8K	8K	8K
JUMBO FRAME	×	×	×	×
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward	Store-and-Forward
PRIORITY QUEUES	4	4	4	4
VLAN	Port-based & Tag & MTU	Port-based & Tag & MTU	Port-based & Tag & MTU	Port-based & Tag & MTU
BROADCAST STORM CONTROL	√	√	√	√
RATE LIMITE	√	√	√	√
PORT CONFIGURATION	√	√	√	√
PORT MIRRORING	√	√	√	√
PORT TRUNKING	√	√	√	√
MANAGEMENT	Web-based	Web-based	Web-based	Web-based
FIRMWARE UPGRADE	TFTP	TFTP	TFTP	TFTP
VIRTUAL CABLE TEST	√	√	√	√
STATUS LEDS	√	√	√	√
FANLESS	√	√	√	√
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power	Internal Power	Internal Power
HOUSING	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount
DIMENSIONS (WxDxH)	294mmx180mmx44mm (11.6x7.1x1.7 in.)	440mmx180mmx44mm (17.3x7.1x1.7 in.)	440mmx220mmx44mm (17.3x8.7x1.7 in.)	440mmx260mmx44mm (17.3x10.2x1.7 in.)




4. Unmanaged Switch




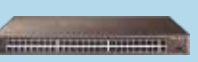
Simply the best! TP-LINK Unmanaged Switches offer a Plug & Play network solution. Using our unmanaged switches, you can set up your LAN by simply plugging the cable into your PC (or laptop) and Switch and you'll be able to surf the Internet through a router freely without configuring the switch. We have various models covering 10/100Mbps and Gigabit switches, which can be desktop or rack-mountable, with plastic or metal housing.








	MODEL NO.	DESCRIPTIONS
ADSL	TD-8810	ADSL2+ Modem Router
ROUTER	TL-R480T+	Dual WAN Load Balance Broadband Router
SWITCH	TL-SG3109	8-Port Gigabit L2 Managed Switch with 1 SFP Slot
SWITCH	TL-SG1048	48-Port Gigabit Switch
SWITCH	TL-SL1226	24-Port 10/100Mbps + 2-Port Gigabit Switch
SWITCH	TL-SF1024	24-Port 10/100Mbps Fast Ethernet Switch
SWITCH	TL-SF1008D	8-Port 10/100Mbps Desktop Switch
WIRELESS AP	TL-WA801ND	Wireless N Access Point
PRINT SERVER	TL-PS310U	USB Storage and MFP Print Server
POE	TL-POE150S	PoE Injector

Gigabit Desktop/Rackmount Switch			
			
MODEL NO.	TL-SG1008	TL-SG1016D	TL-SG1024D
PRODUCT DESCRIPTION	8-Port Gigabit Desktop/Rackmount Switch	16-Port Gigabit Desktop/Rackmount Switch	24-Port Gigabit Desktop/Rackmount Switch
10/100/1000MBPS RJ45 PORTS	8	16	24
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√
AUTO UPLINK EVERY PORT	√	√	√
BANDWIDTH/BACKPLANE	16G	32G	48G
MAC ADDRESS TABLE	8K	8K	8K
JUMBO FRAME	9K	10K	10K
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward
FANLESS	√	√	×
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power	Internal Power
PLUG-AND-PLAY	√	√	√
HOUSING	Steel Case Rack-mount	Steel Case Desktop/Rackmount	Steel Case Desktop/Rackmount
DIMENSIONS (W×D×H)	250mmx158mmx44mm (9.8x6.2x1.7 in.)	294mmx180mmx44mm (11.6x7.1x1.7in)	294mmx180mmx44mm (11.6x7.1x1.7in)

Gigabit Rackmount Switch			
			
MODEL NO.	TL-SG1016	TL-SG1024	TL-SG1048
PRODUCT DESCRIPTION	16-Port Gigabit Switch	24-Port Gigabit Switch	48-Port Gigabit Switch
10/100/1000MBPS RJ45 PORTS	16	24	48
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√
AUTO UPLINK EVERY PORT	√	√	√
BANDWIDTH/BACKPLANE	32G	48G	96G
MAC ADDRESS TABLE	8K	8K	8K
JUMBO FRAME	10K	10K	10K
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward
FANLESS	√	×	×
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power	Internal Power
PLUG-AND-PLAY	√	√	√
HOUSING	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount
DIMENSIONS (W×D×H)	440mmx180mmx44mm (17.3x7.1x1.7 in.)	440mmx180mmx44mm (17.3x7.1x1.7 in.)	440mmx360mmx44mm (17.3x14.2x1.7 in.)

Fast Ethernet Rackmount Switch				
				
MODEL NO.	TL-SL1210	TL-SL1117	TL-SL1226	TL-SL1351
PRODUCT DESCRIPTION	8-Port 10/100Mbps + 2-Port Gigabit Switch	16-Port 10/100Mbps + 1-Port Gigabit Switch	24-Port 10/100Mbps + 2-Port Gigabit Switch	48-Port 10/100Mbps + 3-Port Gigabit Switch
10/100MBPS RJ45 PORTS	8	16	24	48
10/100/1000MBPS RJ45 PORTS	2	1	2	2
GIGABIT SFP PORTS	0	0	0	1
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√	√
AUTO UPLINK EVERY PORT	√	√	√	√
BANDWIDTH/BACKPLANE	5.6G	5.2G	8.8G	15.6G
MAC ADDRESS TABLE	8K	8K	8K	8K
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward	Store-and-Forward
FANLESS	√	√	√	√
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power	Internal Power	Internal Power
PLUG-AND-PLAY	√	√	√	√
HOUSING	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount
DIMENSIONS (W×D×H)	294mmx180mmx44mm (11.6x7.1x1.7 in.)	440mmx180mmx44mm (17.3x7.1x1.7 in.)	440mmx180mmx44mm (17.3x7.1x1.7 in.)	440mmx260mmx44mm (17.3x10.2x1.7 in.)

Fast Ethernet Desktop/Rackmount Switch					
					
MODEL NO.	TL-SF1016DS	TL-SF1024D	TL-SF1016	TL-SF1024	TL-SF1048
PRODUCT DESCRIPTION	16-Port 10/100Mbps Desktop/Rackmount Switch	24-Port 10/100Mbps Desktop/Rackmount Switch	16-Port 10/100Mbps Fast Ethernet Switch	24-Port 10/100Mbps Fast Ethernet Switch	48-Port 10/100Mbps Fast Ethernet Switch
10/100MBPS RJ45 PORTS	16	24	16	24	48
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√	√	√
AUTO UPLINK EVERY PORT	√	√	√	√	√
BANDWIDTH/BACKPLANE	3.2G	4.8G	3.2G	4.8G	9.6G
MAC ADDRESS TABLE	8K	8K	8K	8K	8K
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√	√	√
GREEN ETHERNET	√	√	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward	Store-and-Forward	Store-and-Forward
FANLESS	√	√	√	√	√
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power	Internal Power	Internal Power	Internal Power
PLUG-AND-PLAY	√	√	√	√	√
HOUSING	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount	Steel Case Rack-mount
DIMENSIONS (W×D×H)	294mmx180mmx44mm (11.6x7.1x1.7 in.)	294mmx180mmx44mm (11.6x7.1x1.7 in.)	440mmx180mmx44mm (17.3x7.1x1.7 in.)	440mmx180mmx44mm (17.3x7.1x1.7 in.)	440mmx260mmx44mm (17.3x10.2x1.7 in.)

Transmit Electrical Power Over Cable Ethernet Cables



8-Port 10/100Mbps PoE Switch TL-SF1008P

- Complies with IEEE802.3, IEEE802.3u, IEEE802.3af standards
- 8 10/100Mbps Auto-Negotiation RJ45 Ports with 4-Port PoE function (Port-1 to Port-4)
- Supports IEEE 802.3af PoE compliant PDs (Powered Devices)



PoE Injector TL-POE150S

- IEEE802.3, IEEE802.3u, IEEE802.3af standards
- Compatible with IEEE 802.3af compliant PDs
- Delivers power up to 100 meters
- Auto-determine the necessary power requirements
- Plug-and-Play, requires no configuration



PoE Splitter TL-POE10R

- Complies with IEEE802.3, IEEE802.3u, IEEE802.3af standards
- Compatible with IEEE 802.3af compliant PSEs
- Delivers power up to 100 meters
- Plug-and-Play, requires no configuration
- Optional 12V DC or 5V DC power supply



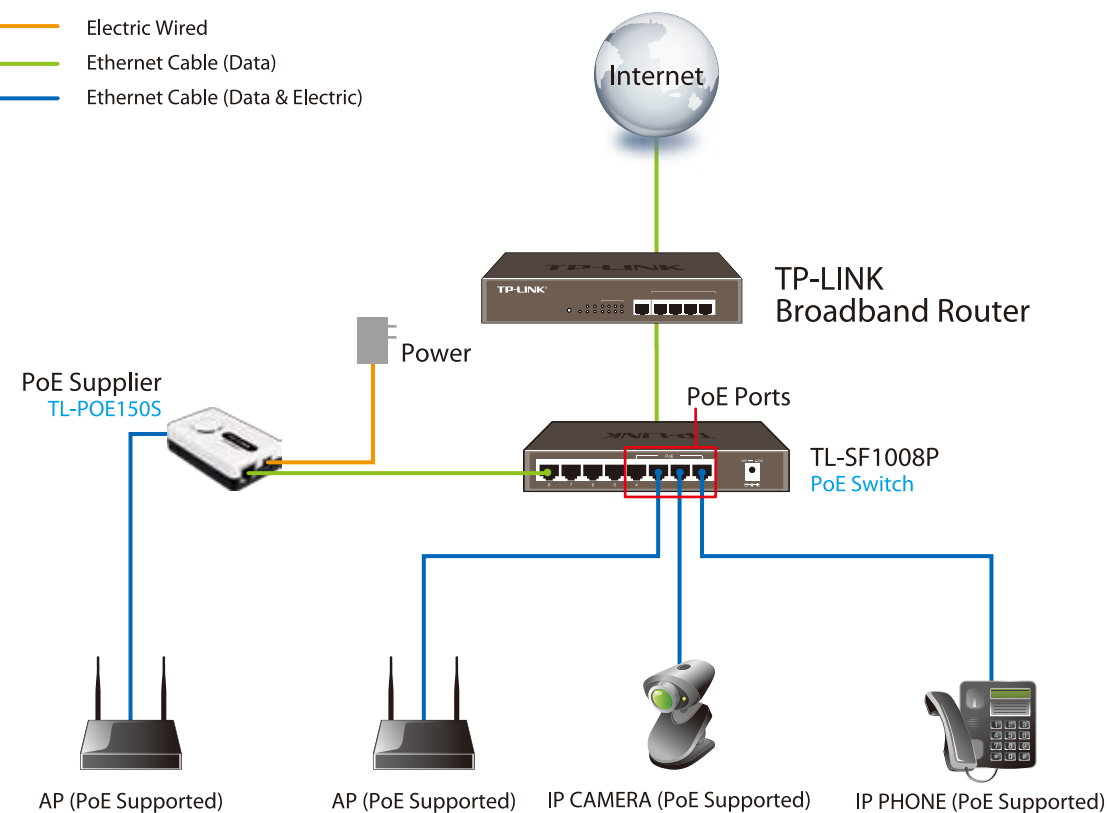
PoE Adapter Kit TL-POE200

- Delivers power up to 100 meters
- Optional 12V DC, 9VDC, 5V DC power supply
- Plug-and-Play, requires no configuration

Solution 1

Powered Device Supporting PoE

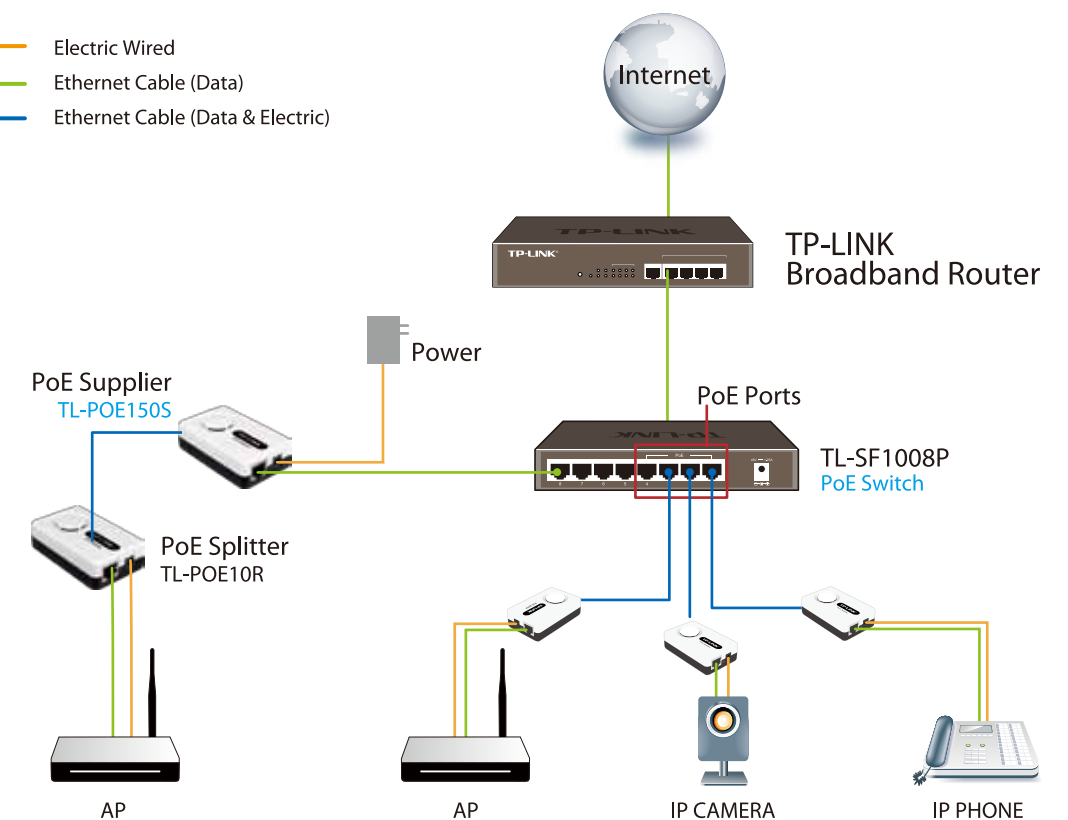
- Electric Wired
- Ethernet Cable (Data)
- Ethernet Cable (Data & Electric)



Solution 2

Powered Device Without PoE

- Electric Wired
- Ethernet Cable (Data)
- Ethernet Cable (Data & Electric)



10/100Mbps Media Converter



10/100Mbps SC Multi-mode Fiber Media Converter
TL-MC100CM

- 1 100M SC fiber connector and 1 10/100M UTP connector
- Supports Link Fault Pass Through function and Far End Fault function
- Provides switch configuration of Half Duplex / Full Duplex transfer mode for FX Port
- Supports multi-mode fiber, extending fiber distance up to 2km



10/100Mbps SC Single-mode Fiber Media Converter
TL-MC110CS

- 1 100Mbps SC fiber connector and 1 10/100Mbps UTP connector
- Supports Link Fault Pass Through function and Far End Fault function
- Provides switch configuration of Half Duplex / Full Duplex transfer mode for FX Port
- Supports single-mode fiber, extending fiber distance up to 20km



10/100Mbps SC Single-mode WDM Media Converter
MC111CS / MC112CS (Used in Pairs)

- 1 100M SC fiber connector and 1 10/100M UTP connector
- Supports Link Fault Pass Through function and Far End Fault function
- WDM technology enables transmitting and receiving data on one single fiber
- Supports single-mode fiber, extending fiber distance up to 20km

Gigabit Media Converter



Gigabit SC Multi-mode Media Converter
TL-MC200CM

- 1 SC fiber connector and 1 UTP connector
- Works at 1000Mbps in Full-Duplex mode for both TX Port and FX Port
- Supports multi-mode fiber, extending fiber distance up to 0.5km



Gigabit SC Single-mode Media Converter
TL-MC210CS

- 1 SC fiber connector and 1 UTP connector
- Works at 1000Mbps in Full-Duplex mode for both TX Port and FX Port
- Supports single-mode fiber, extending fiber distance up to 15km



Gigabit SFP Media Converter
TL-MC220L



- 1 SFP connector and 1 UTP connector
- Works at 1000Mbps in Full-Duplex mode for both TX Port and FX Port
- Extends fiber distance up to 0.55km for multi-mode fiber and 10km for single-mode fiber


Media Converter Chassis








14-Slot Rackmount Chassis
TL-MC1400

- Provides housing for up to 14 media converters
- Standard 19" rack-mount size, 2U height
- Optional redundant power supply to ensure non-stop reliable operation
- Hot-Swappable; easy & quick replacement of converter and power supply
- Two cooling fans (internal) mounted at the rear panel for system cooling
- Power isolation designed with converter bays: ensures each bay is electrically isolated from others

SFP Transceiver		
		
MODEL NO.	TL-SM311LS	TL-SM311LM
PRODUCT DESCRIPTION	Single-mode SFP Module	Multi-mode SFP Module
CABLE	Single-mode Fiber	Multi-mode Fiber
FIBER TYPE	9/125 um Single-mode	50/125um or 62.5/125um Multi-mode
MAX. CABLE LENGTH	10km	550m
STANDARD	IEEE 802.3z	IEEE 802.3z
DATA RATE	1Gbps	1Gbps
PORT TYPE	LC	LC
WAVE LENGTH	1310nm	850nm
POWER SUPPORT	3.3V	3.3V
SAFETY & EMISSION	CE, FCC	CE, FCC

WDM SFP Transceiver				
				
MODEL NO.	TL-SM221A	TL-SM221B	TL-SM321A	TL-SM321B
PRODUCT DESCRIPTION	100Base-BX WDM Bi-Directional SFP module	100Base-BX WDM Bi-Directional SFP module	1000Base-BX WDM Bi-Directional SFP module	1000Base-BX WDM Bi-Directional SFP module
CABLE	Single-mode Fiber	Single-mode Fiber	Single-mode Fiber	Single-mode Fiber
FIBER TYPE	9/125 um Single-mode	9/125 um Single-mode	9/125 um Single-mode	9/125 um Single-mode
MAX. CABLE LENGTH	15km	15km	10km	10km
STANDARD	IEEE 802.3z	IEEE 802.3z	IEEE 802.3z	IEEE 802.3z
DATA RATE	155Mbps	155Mbps	1.25Gbps	1.25Gbps
PORT TYPE	LC	LC	LC	LC
WAVE LENGTH	TX: 1550nm RX: 1310nm	TX: 1310nm RX: 1550nm	TX: 1490nm RX: 1310nm	TX: 1310nm RX: 1490nm
POWER SUPPORT	3.3V	3.3V	3.3V	3.3V
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC	CE, FCC

Gigabit Network Adapter		
		
MODEL NO.	TG-3269	TG-3468
DESCRIPTION	Gigabit PCI Network Adapter	Gigabit PCIe Network Adapter
INTERFACE	32-bit PCI	32-bit PCI
NETWORK PORT	10/100/1000Mbps	10/100/1000Mbps
WAKE-ON-LAN	×	√
REMOTE BOOT	√	×
OPERATING SYSTEM	NetWare 4.x, 5.x, 6.x, Windows 98/Me/NT/2000/XP/Vista/7, Linux	Windows 98SE/Me/2000/XP/XP 64bit/Vista/7, Linux
SAFETY & EMISSION	CE, FCC	CE, FCC

10/100Mbps Network Adapter			
			
MODEL NO.	TF-3200	TF-3239D	TF-3239DL
DESCRIPTION	10/100Mbps PCI Network Adapter	10/100Mbps PCI Network Adapter	10/100Mbps PCI Network Adapter
INTERFACE	32-bit PCI	32-bit PCI	32-bit PCI
NETWORK PORT	10/100Mbps	10/100Mbps	10/100Mbps
REMOTE BOOT	×	√	×
OPERATING SYSTEM	NetWare 3.x, 4.x, Windows 98/Me/NT/2000/ XP/Vista/7, Linux	NetWare 3.x, 4.x, Windows 98/Me/NT/2000/ XP/ Vista/7, Linux	NetWare 3.x, 4.x, Windows 98/Me/NT/2000/ XP/ Vista/7, Linux
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC

IN 2010

TP-LINK Sold 1 Router Every Second

2010

2010

TP-LINK annual exports of 195 million USD seventh highest of Shenzhen companies in 2009

2009

Successfully purchased 82,898 square meters (about 125 acres) of land for the construction of "TP-LINK Industrial Park" Phase II project, with estimated total investment of 70~80 million USD and a total building area of approximately 250,000 square meters.

2009

2008

2007

2006

2005

2004

2003

2002

2001

2000

1999

1998

1997

1996

2008

Two overseas branch offices in Germany and the United States begin operations.

2007

Successfully began operations at two overseas offices in Singapore and India.

2006

Independent factory for international business launched, occupying 4500 square meters with all workshops equipped with green lead-free (ROHS) equipment and environmental production line in line with international standards.

2005

Began venture into the international market.

2004

Wireless products based on 802.11g/b standards featuring Super G and eXtended Range launched and marketed.

2003

Launched 11Mbps 802.11b wireless products.

2002

The first web smart switch and the first broadband router successfully developed and marketed.

2001

Fiber transponder and ADSL successfully developed.

2000

ISO9001:2000 international quality system certified.

1999

The number of the branch offices in China increased to 10, with more than 600 excellent distributors throughout the whole nation.

1998

Total sales revenue broke 100,000,000 RMB (Apprx. 15 MILLION USD).

1997

Own factory erected and five branch offices established throughout China.

1996

TP-LINK brand established, meaning Twisted Pair Link.

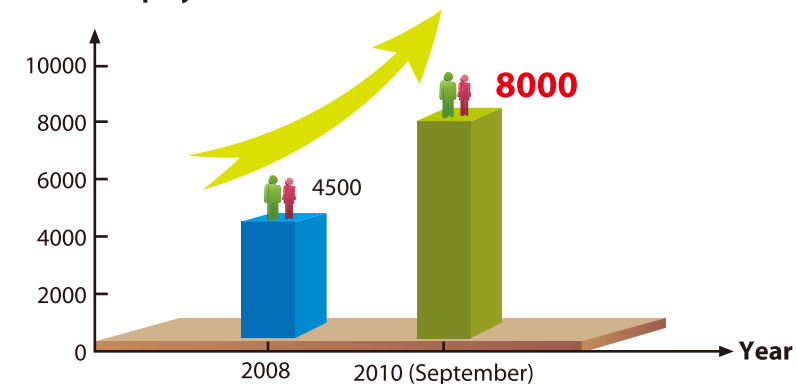
1

Mile Stones

2

Employee Growth Rate

TP-LINK Employees



3

New Awards



TL-WR1043ND wins Gold award from HWM magazine in Malaysia



TL-WR741ND wins Budget Buy awards from Expert Reviews in UK, 2010



TL-PA201KIT receives Budget Buy awards from Expert Reviews in UK, 2010



TL-WR1043ND gains award from E-Zone Choice in HongKong, 2010



TL-WR841ND wins Best Price to Value Award of Computer Bild in Germany, 2010



TL-WR941ND gains praise for favorable price premium features from Extra PC magazine in Czech Republic, 2010