



Ultimate Wireless N Gigabit Router
TL-WR1043ND

TP-LINK TECHNOLOGIES CO., LTD.

E-mail: info@tp-link.com

Website: www.tp-link.com

Specifications are subject to change without notice. TP-LINK is a registered trademark of TP-LINK TECHNOLOGIES CO., LTD. Other brands and product names are trademarks or registered trademarks of their respective holders. Copyright © 2009 TP-LINK TECHNOLOGIES CO., LTD. All rights reserved. (Dec. 2008)
PN: 8391500095

Networking Product
Guide 2009

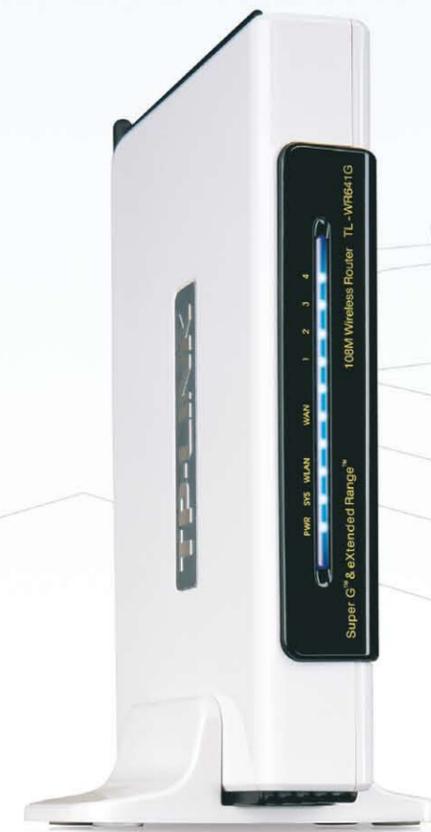


Table of Contents

300M Wireless N



Model No.	Descriptions	
TL-WR1043ND	Ultimate Wireless N Gigabit Router	1
TL-WN910N / TL-WN951N	Advanced Wireless N CardBus / PCI Adapters	1
TL-WR941ND / TL-WN961N	Advanced Wireless N Router / Mini-PCI Adapter	2
TL-WR841ND	Wireless N Router	2
TL-WN811N / TL-WN851N / TL-WN861N	Wireless N CardBus / PCI / Mini-PCI Adapters	2
TL-WR847ND	Wireless N Home Router	3
TL-WN821N / TL-WN827N / TL-WN727N	Wireless N / Lite-N USB Adapters	3

WIRELESS



108M Wireless Super G (with eXtended Range™)



Model No.	Descriptions	
TL-WR641G / TL-WR642G	Wireless Super G Routers	4
TL-WN620G / TL-WN610G	Wireless Super G USB / CardBus Adapters	4
TL-WA601G	Wireless Super G Access Point	5
TL-WN650G / TL-WN651G / TL-WN660G	Wireless Super G PCI / Mini-PCI Adapters	5



54M Wireless G (with eXtended Range™)



Model No.	Descriptions	
TL-WR541G / TL-WR542G	Wireless G Routers	6
TL-WN510G / TL-WN550G / TL-WN551G	Wireless G CardBus / PCI Adapters	6
TL-WR543G	Wireless G AP Client Router	7
TL-WN560G	Wireless G Mini-PCI Adapter	7
TL-WA501G	Wireless G Access Point	7



54M Wireless G



Model No.	Descriptions	
TL-WR340G / TL-WR340GD	Wireless G Routers	8
TL-WN422G	High-Gain Wireless USB Adapter	8
TL-WN321G / TL-WN322G	Wireless G USB Adapters	8
TL-WN310G / TL-WN350G / TL-WN350GD	Wireless G CardBus / PCI Adapters	8
TL-WN353G / TL-WN353GD / TL-WN360G	Wireless G PCI / Mini-PCI Adapters	8



108M/54M Wireless AG (with eXtended Range™)



Model No.	Descriptions	
TL-WN612AG / TL-WN662AG	Wireless Super AG CardBus / Mini-PCI Adapters	9
TL-WN652AG / TL-WN653AG	Wireless Super AG PCI Adapters	9
TL-WN512AG / TL-WN562AG	Wireless AG CardBus / Mini-PCI Adapters	9
TL-WN552AG / TL-WN553AG	Wireless AG PCI Adapters	9



Antenna

Model No.	Descriptions	
TL-ANT2405C / TL-ANT2406A / TL-ANT2408C	Antennas	10
TL-ANT2409A / TL-ANT2409B / TL-ANT2412D	Antennas	10
TL-ANT2414A / TL-ANT2414B / TL-ANT2421B	Antennas	10
TL-ANT24EC3S / TL-ANT24EC5S / TL-ANT24EC6N	Antenna Accessories	10
TL-ANT24EC12N / TL-ANT24PT / TL-ANT24SP	Antenna Accessories	10



Powerline

Model No.	Descriptions	
TL-PA201	200Mbps Powerline Ethernet Adapter	11
TL-PA101	85Mbps Powerline Ethernet Adapter	11



ADSL

Wireless ADSL2+ Router

Model No.	Descriptions	
TD-W8920G / TD-W8920GB	108M Wireless ADSL2+ Routers	13
TD-W8910G / TD-W8910GB	54M Wireless ADSL2+ Routers	13
TD-W8901G / TD-W8901GB	54M Wireless ADSL2+ Routers	13
TD-W8101G	1-Port 54M Wireless ADSL2+ Router	13



Wired ADSL2+ Router

Model No.	Descriptions	
TD-8810 / TD-8810B / TD-8816 / TD-8816B	1-Port Ethernet ADSL2+ Routers	14
TD-8811 / TD-8811B / TD-8817 / TD-8817B	1-Port Ethernet and 1-Port USB ADSL2+ Routers	14
TD-8840 / TD-8840B / TD-8840T / TD-8840TB	4-Port Ethernet ADSL2+ Routers	15
TD-8841 / TD-8841B / TD-8841T / TD-8841TB	4-Port Ethernet and 1-Port USB ADSL2+ Routers	15



ADSL2+ Modem / 56K Modem

Model No.	Descriptions	
TD-8610 / TD-8610B	ADSL2+ Modems	16
TD-8616 / TD-8616B	ADSL2+ Modems	16
TM-IP5600	56K PCI Modem	16



PRINT SERVER

Wireless / Wired Print Server

Model No.	Descriptions	
TL-WPS510U	Pocket-sized Wireless USB Print Server	17
TL-PS310U	USB MFP and Storage Server	17
TL-PS210U	USB MFP Print Server	17
TL-PS110U	USB Print Server	17
TL-PS110P	Parallel Print Server	17



ROUTER

SOHO Router

Model No.	Descriptions	
TL-R402M	4-port Cable/DSL Router	19
TL-R460	4-port Cable/DSL Router	19
TL-R860	8-port Cable/DSL Router	19



Load Balance Broadband Router

Model No.	Descriptions	
TL-R480T+	Dual-WAN Load Balance Broadband Router	21
TL-R488T	Quad-WAN Load Balance Broadband Router	21
TL-R4299G	Dual-WAN Gigabit Load Balance Broadband Router	21



SMB Broadband Router

Model No.	Descriptions	
TL-R480T	4 LAN Ports SMB Broadband Router	23
TL-R4199G	9 Gigabit LAN Ports SMB Broadband Router	23



SWITCH

Managed Switch

Model No.	Descriptions	
TL-SG5426	26-port Gigabit Fully Managed Switch	26
TL-SL5428	24-port 10/100 + 4-port Gigabit Fully Managed Switch	26
TL-SG3109	9-port Gigabit Managed Switch	27
TL-SL3428 / TL-SL3452	24+4G/48+4G Gigabit-Uplink Managed Switches	27



Gigabit Web Smart Switch

Model No.	Descriptions	
TL-SG2109WEB / TL-SG2216WEB	9/16-port Gigabit Web Smart Switches	29
TL-SG2224WEB / TL-SG2248WEB	24/48-port Gigabit Web Smart Switches	29



Gigabit-Uplink Web Smart Switch

Model No.	Descriptions	
TL-SL2210WEB / TL-SL2218WEB	8+2G/16+2G Gigabit-Uplink Web Smart Switches	30
TL-SL2428WEB / TL-SL2452WEB	24+4G/48+4G Gigabit-Uplink Web Smart Switches	30



Unmanaged Rackmount Switch

Model No.	Descriptions	
TL-SG1008 / TL-SG1016	8/16-port Gigabit Unmanaged Rackmount Switches	32
TL-SG1024 / TL-SG1048	24/48-port Gigabit Unmanaged Rackmount Switches	32
TL-SL1109 / TL-SL1117	8+1G/16+1G Gigabit-Uplink Unmanaged Rackmount Switches	32
TL-SL1226	24+2G Gigabit-Uplink Unmanaged Rackmount Switch	32
TL-SL1351	48+3G Gigabit-Uplink Unmanaged Rackmount Switch	32
TL-SF1016 / TL-SF1024 / TL-SF1048	16/24/48-port 10/100M Unmanaged Rackmount Switches	33



Unmanaged Desktop Switch

Model No.	Descriptions	
TL-SG1005D / TL-SG1008D	5/8-port Gigabit Unmanaged Desktop Switches	34
TL-SF1005D / TL-SF1008D / TL-SF1016D	5/8/16-port 10/100M Unmanaged Desktop Switches	34



PoE

Power over Ethernet

Model No.	Descriptions	
TL-SF1008P	8-port 10/100M Desktop PoE Switch	36
TL-POE150S	PoE Supplier Adapter	36
TL-POE10R	PoE Receiver Adapter	36



IP Camera

IP Camera

Model No.	Descriptions	
TI-SC3000	3GPP Surveillance Camera	37



MEDIA CONVERTER

Gigabit Media Converter

Model No.	Descriptions	
MC200CM	Gigabit SC Multi-mode Media Converter	38
MC210CS	Gigabit SC Single-mode Media Converter	38
MC220L	Gigabit SFP Media Converter	38



10/100M Media Converter

Model No.	Descriptions	
MC100CM	10/100M SC Multi-mode Media Converter	38
MC110CS	10/100M SC Single-mode Media Converter	38
MC111CS / MC112CS	10/100M SC Single-mode WDM Media Converters	38
TR-966D	10/100M SC Single-mode WDM Media Converter	38



SFP MODULE

SFP Transceiver

Model No.	Descriptions	
TL-SM311LS	Single-mode SFP Module	39
TL-SM311LM	Multi-mode SFP Module	39



WDM SFP Transceiver

Model No.	Descriptions	
TL-SM221A / TL-SM221B	100 Base-BX WDM Bi-Directional SFP Modules	39
TL-SM321A / TL-SM321B	1000 Base-BX WDM Bi-Directional SFP Modules	39



NETWORK ADAPTER

Gigabit Network Adapter

Model No.	Descriptions	
TG-3269	Gigabit PCI Network Adapter	40
TG-3468	Gigabit PCIe Network Adapter	40
TG-5269	Gigabit Cardbus Network Adapter	40



10/100M Network Adapter

Model No.	Descriptions	
TF-3239D / TF-3239DL	10/100M PCI Network Adapters	40
TF-5239	10/100M CardBus Network Adapter	40



Awards

AWARDS

> Wireless





300M Wireless N

TP-LINK 300M Wireless N brings the true advantages of wireless networking to life, and while still compatible with traditional protocols 11b and 11g, these new products eliminate their traditional disadvantages. With up to 300Mbps to rival some of the best wired connections, QoS to manage high bandwidth applications such as HD video streaming and online gaming, and range that can have you working comfortably at your desk or beside the pool, 11n is the new standard in wireless excellence.

3x3 MIMO Technology (Multiple Input Multiple Output)

With an average of 50% throughput improvement compared with 2x2 MIMO, true 3x3 MIMO technology hugely enlarges the scope and penetration of the wireless signal and eliminates dead zones.

SST (Signal-Sustain Technology)

Dramatically increases link robustness and throughput by simultaneously transmitting across three spatially-diverse signal paths, and incorporating information from three receivers simultaneously within the signal processing at the receive end.

CCA Technology (Clear Channel Assessment)

By avoiding disturbances and stabilizing the signal, it ensures that there are no disruptive influences between your networks and your neighbor's networks.

WPS Security Connection (WiFi Protected Setup)

By pressing the "QSS" (Quick Secure Setup) button on the wireless router or entering the PIN Code in the net card, it automatically establishes WPA2 secure connection easily and securely.

QoS (Quality of Service)

Many bandwidth-intensive tasks such as voice, video and data transmission can be conducted simultaneously. And at the same time, tasks such as voice and video that require more bandwidth and are sensitive to signal drops will be given task priority through the router.

Compatible with 802.11b/11g

Seamlessly compatible with 802.11b and 802.11g devices including game consoles and digital media players as well as current draft 802.11n devices.



Ultimate Wireless N Gigabit Router

TL-WR1043ND

- Wireless N speed up to 300Mbps
- 4 Gigabit Ethernet ports deliver ultra fast wireless and wired network connections
- 1 USB2.0 port conveniently for WCN (Windows Connect Now) and local networking storage share
- 3T3R MIMO, SST, CCA technologies deliver greater coverage and higher speed
- Wireless security encryption easily at a push of "QSS" button
- Priority of service assures the quality of bandwidth sensitive applications such as voice and video
- Seamlessly compatible with 802.11b and 802.11g devices



Advanced Wireless N CardBus Adapter

TL-WN910N

- 32-bit Cardbus connector to Notebook
- 2T3R MIMO, CCA technologies deliver greater coverage and higher speed
- WPS security connection easily and securely



Advanced Wireless N PCI Adapter

TL-WN951N

- 32-bit PCI connector to Desktop PC
- 3T3R MIMO, SST, CCA technologies deliver greater coverage and higher speed
- WPS security connection easily and securely



Advanced Wireless N Router

TL-WR941ND

- Wireless N speed up to 300Mbps
- 3T3R MIMO, SST, CCA technologies deliver greater coverage and higher speed
- Wireless security encryption easily at a push of "QSS" button
- Priority of service assures the quality of bandwidth sensitive applications such as voice and video
- Seamlessly compatible with 802.11b and 802.11g devices



Advanced Wireless N Mini-PCI Adapter

TL-WN961N

- 32-bit PCI connector
- 3T3R MIMO, SST, CCA technologies deliver greater coverage and higher speed
- WPS security connection easily and securely



Wireless N CardBus Adapter

TL-WN811N

- 32-bit Cardbus connector to Notebook
- 2T2R MIMO, CCA technologies deliver greater coverage and higher speed
- WPS security connection easily and securely



Wireless N Router

TL-WR841ND

- Wireless N speed up to 300Mbps
- 2T2R MIMO, CCA technologies deliver greater coverage and higher speed
- Wireless security encryption easily at a push of "QSS" button
- Priority of service assures the quality of bandwidth sensitive applications such as voice and video
- Seamlessly compatible with 802.11b and 802.11g devices



Wireless N PCI Adapter

TL-WN851N

- 32-bit PCI connector to Desktop PC
- 2T2R MIMO, CCA technologies deliver greater coverage and higher speed
- WPS security connection easily and securely



Wireless N Mini-PCI Adapter

TL-WN861N

- 32-bit PCI connector
- 2T2R MIMO, CCA technologies deliver greater coverage and higher speed
- WPS security connection easily and securely



Wireless N Home Router

TL-WR847ND

- Wireless N speed up to 300Mbps
- Wireless security encryption easily at a push of "QSS" button
- Optimized for whizzy applications such as HD video/voice streaming and online games
- Seamlessly compatible with 802.11b and 802.11g devices



Wireless N USB Adapter

TL-WN821N

- USB 2.0 connector provided
- 2T2R MIMO delivers stable wireless transmission rate
- WPS security connection easily and securely networks performance



Wireless N USB Adapter

TL-WN827N

- USB 2.0 connector provided
- 2T2R MIMO delivers stable wireless transmission rate
- WPS security connection easily and securely networks performance
- PSP X-Link connection for your joyful online gaming experience

150M Wireless Lite-N



Wireless Lite-N USB Adapter

TL-WN727N

- USB 2.0 connector provided
- Up to 150Mbps wireless transmitting rates for even HD video streaming
- Wireless security encryption easily at a push of "QSS" button
- PSP X-Link connection for your joyful online gaming experience



108M Wireless Super G

TP-LINK 108M Wireless Super G technology is the fastest in the Wireless G generation with broad signal coverage, stable connections, and overall reliable networking that has made this product the most successful in TP-LINK's small home and office product line, compatible with both 11b and 11g technologies. Featuring Super G™ and eXtended Range™ technologies makes this product an excellent choice for users that need to connect their entire small office or whole family wirelessly via a single internet connection. This product will have users transferring files, streaming music or video, playing online games, and most anything else using medium to high bandwidth.

Super G™

Super G™ technology doubles the wireless transfer rate from 54Mbps of traditional 11g to 108Mbps. As such, users can stream video, play online games, and operate a number of other bandwidth intensive applications more smoothly.

eXtended Range™

eXtended Range™ technology allows users to enjoy reliable, broader signal coverage, usually 2-3 times further than traditional 11b/g products, and stronger signal penetration making it much more efficient at reaching hard to reach areas such as through walls and floors.

Wireless Bridge (WDS)

This operation mode allows wireless routers to connect in "point to point" or "point to multi-point" way via air, this advantage is most apparent when there is a need to link two or more locations.

Powerful Encryption with WPA standard

Featuring the most rigid of security protocols including WPA/WPA2 /WPA-PSK/WPA2-PSK for data encryption and user authentication, protects users' networks from intrusion and keeps their information private, making this solution ideal for Homes & Businesses.



Wireless Super G Routers

TL-WR641G / TL-WR642G

- Wireless Super G speed up to 108Mbps
- Super G™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- WDS wireless bridge provides seamless bridging to expand your wireless network
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WR642G)



Wireless Super G USB Adapter

TL-WN620G

- USB 2.0 connector provided
- Super G™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



Wireless Super G CardBus Adapter

TL-WN610G

- 32-bit Cardbus connector to Notebook
- Super G™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



108M Wireless Super G Access Point

TP-LINK 108M Wireless Super G Access Point provides multi operation modes including AP / Repeater / Bridge / AP Client, which are available for small and home office to expand wired and wireless network. Featuring Super G™ and eXtended Range™ technologies delivers higher speed and wider coverage than standard 802.11g, it is ideal for home and business users needing a high-speed networking.

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 Points. 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

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 can be connected via a pair of access points set to bridge mode.

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 subscriber.



Wireless Super G Access Point

TL-WA601G

- Wireless Super G speed up to 108Mbps
- Super G™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Multi operation modes including AP / Repeater / Bridge / AP Client available for small and home office to expand wired and wireless network
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection
- Detachable omni-directional antenna easily for stronger antenna upgrading



Wireless Super G Mini-PCI Adapter

TL-WN660G

- 32-bit PCI connector
- Super G™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



Wireless Super G PCI Adapters

TL-WN650G / TL-WN651G

- 32-bit PCI connector to Desktop PC
- Super G™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WN651G)



54M Wireless G

TP-LINK 54M eXtended Range™ Wireless G products provide stable reliable connections for basic networks that are very effective for average users looking to create a reliable network to connect their small office or home to transfer files, surf the Internet, download music, chat online, or use other applications that are low to medium bandwidth intensive. Featuring eXtended Range technology for broader signal coverage and compatible with both wireless G and B protocols. This product is a great choice for basic networking needs.

eXtended Range™

eXtended Range™ technology allows users to enjoy reliable, broader signal coverage, usually 2-3 times further than traditional 11g/b products, and stronger signal penetration making it much more efficient at reaching hard to reach areas such as through walls and floors.

Wireless Bridge (WDS)

This operation mode allows wireless routers connects in "point to point" or "point to multi-point" way via air, this advantage is most apparent when there is a need to link two or more locations.

Powerful Encryption with WPA standard

Featuring the most rigid of security protocols including WPA/WPA2 /WPA-PSK/WPA2-PSK for data encryption and user authentication, protects users' networks from intrusion and keeps their information private, making this solution ideal for Homes & Businesses.



Wireless G Routers

TL-WR541G / TL-WR542G

- Wireless G speed up to 54Mbps
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- WDS wireless bridge provides seamless bridging to expand your wireless network
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WR542G)



Wireless G CardBus Adapter

TL-WN510G

- 32-bit Cardbus connector to Notebook
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



Wireless G PCI Adapters

TL-WN550G / TL-WN551G

- 32-bit PCI connector to Desktop PC
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WN551G)



54M Wireless G AP Client Router/ Access Point

TP-LINK 54M Wireless G AP Client Router & Access Point provide multi 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 wired and wireless network. Featuring eXtended Range™ technology delivers wider coverage than standard 802.11g, it is ideal for home and business users needing an affordable networking.

eXtended Range™
eXtended Range™ technology allows users to enjoy reliable, broader signal coverage, usually 2-3 times further than traditional 11b/g products, and stronger signal penetration making it much more efficient at reaching hard to reach areas such as through walls and floors.

WISP Supported
Differing from normal wireless router, TP-LINK AP Client Router can be set as a client of Wireless Internet Service Provider (WISP). As a CPE device for WISP subscriber, the AP Client Router integrates 4 LAN ports available for sharing the internet access via an account.

AP Router & AP Client Router Mode
TP-LINK AP Client Router has two operation modes including AP Router mode and AP Client Router mode. AP Router mode is a normal mode for wireless signal coverage, in this mode, the wireless router will act as both a wireless base and a router at the same time; AP Client Router mode is a special mode for two jobs simultaneously, receives signal from Access Point and works as router for access sharing, this mode is normally used as signal receiver from WISP.

Wireless Bridge (WDS)
This operation mode allows wireless routers to connect in "point to point" or "point to multi-point" way via air, this advantage is most apparent when there is a need to link two or more locations.



Wireless G Mini-PCI Adapter

TL-WN560G

- 32-bit Mini-PCI connector
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



Wireless G AP Client Router

TL-WR543G

- Wireless G speed up to 54Mbps
- AP Client Router and AP Router operation mode conveniently for internet access via a WISP or Cable / ADSL Modem
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- WDS wireless bridge provides seamless bridging to expand your wireless network
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection
- Detachable antenna (RP-SMA connector) easily for stronger antenna upgrading



Wireless G Access Point

TL-WA501G

- Wireless G speed up to 54Mbps
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Multi operation modes including AP / Repeater / Bridge / AP Client available for small and home office to expand wired and wireless network
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection
- Detachable omni-directional antenna easily for stronger antenna upgrading



54M Wireless G

TP-LINK 54Mbps Wireless G products provide stable and reliable connections for basic networks that are very effective for average users looking to create a reliable network to connect their small office or home to transfer files, surf the Internet, download music, chat online, or use other applications that are low to medium bandwidth intensive. This product is a great choice for basic networking needs.

Wireless Bridge (WDS)
This operation mode allows wireless routers to connect in "point to point" or "point to multi-point" way via air, this advantage is most apparent when there is a need to link two or more locations.

Powerful Encryption with WPA standard
Featuring the most rigid of security protocols including WPA/WPA2 /WPA-PSK/WPA2-PSK for data encryption and user authentication, protects users' networks from intrusion and keeps their information private, making this solution ideal for Homes & Businesses.



High-Gain Wireless USB Adapter

TL-WN422G

- USB 2.0 connector provided
- Advanced wireless security using 56/128/152-bit WEP and WPA/WPA2 encryption gives your wireless network reliable protection
- PSP X-Link connection for your joyful online gaming experience
- Detachable omni-directional antenna easily for stronger antenna upgrading



Wireless G USB Adapters

TL-WN321G / TL-WN322G

- USB 2.0 connector provided
- PSP X-Link connection for your joyful online gaming experience (only for TL-WN322G)
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



Wireless G Routers

TL-WR340G / TL-WR340GD

- Wireless G speed up to 54Mbps
- WDS wireless bridge provides seamless bridging to expand your wireless network
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WR340GD)



Wireless G CardBus Adapter

TL-WN310G

- 32-bit Cardbus connector to Notebook
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



Wireless G PCI Adapters

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

- 32-bit PCI connector to Desktop PC
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WN350GD / TL-WN353GD)



Wireless G Mini-PCI Adapter

TL-WN360G

- 32-bit Mini-PCI connector
- Advanced wireless security using WPA/WPA2 encryption gives your wireless network reliable protection



108M/54M Wireless AG

TP-LINK 108M/54M Wireless AG complies both the 2.4GHz and 5GHz frequencies, incorporating 802.11a, 802.11b and 802.11g wireless LAN standards to make it compatible with virtually all existing 802.11 networks. This wireless LAN series provides the most expanded user bandwidth available.

Dual Band Operation

Simultaneous operation in 802.11b/g 2.4GHz and 802.11a 5GHz frequency bands provide more wireless bandwidth available for use, and network can be segmented according to frequency band.

Powerful Encryption with WPA standard

Featuring the most rigid of security protocols including WPA/WPA2 /WPA-PSK/WPA2-PSK for data encryption and user authentication, protects users' networks from intrusion and keeps their information private, making this solution ideal for Homes & Businesses.

108M Wireless Super AG



Wireless Super AG CardBus Adapter

TL-WN612AG

- 32-bit Cardbus connector to Notebook
- Super AG™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products



Wireless Super AG PCI Adapters

TL-WN652AG / TL-WN653AG

- 32-bit PCI connector to Desktop PC
- Super AG™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WN653AG)



Wireless Super AG Mini-PCI Adapter

TL-WN662AG

- 32-bit PCI connector
- Super AG™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products

54M Wireless AG



Wireless AG CardBus Adapter

TL-WN512AG

- 32-bit Cardbus connector to Notebook
- eXtended Range™ technology for up to 4x the range of standard 802.11g products



Wireless AG PCI Adapters

TL-WN552AG / TL-WN553AG

- 32-bit PCI connector to Desktop PC
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Detachable omni-directional antenna easily for stronger antenna upgrading (only for TL-WN553AG)



Wireless AG Mini-PCI Adapter

TL-WN562AG

- 32-bit Mini-PCI connector
- eXtended Range™ technology for up to 4x the range of standard 802.11g products

Antennas

MODEL NO.	TL-ANT2405C	TL-ANT2406A	TL-ANT2408C	TL-ANT2409A	TL-ANT2409B	TL-ANT2412D	TL-ANT2414A	TL-ANT2414B	TL-ANT2421B
FREQUENCY	2.4GHz	2.4GHz	2.4GHz						
GAIN	5dBi	6dBi	8dBi	9dBi	9dBi	12dBi	14dBi	14dBi	21dBi
TYPE	Omni	Directional	Omni	Directional	Directional	Omni	Directional	Directional	Directional
VSWR(MAX.)	1.92:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1	1.5:1
HPBW/H(°)	360	45	360	45	45	360	40	40	10
HPBW/E(°)	15	45	15	45	45	15	35	35	14
POLARIZATION	Linear; Vertical	Linear; Vertical	Linear; Vertical						
CONNECTOR TYPE	RP-SMA Male (Plug)	RP-SMA Male (Plug)	RP-SMA Male (Plug)	RP-SMA Male (Plug)	N Female (Jack)	N Female (Jack)	RP-SMA Male (Plug)	N Female (Jack)	N Female (Jack)
EXTENDED CABLE/LENGTH	RG316; 130cm	RG316; 130cm	RG316; 130cm	CFD-200; 45cm	CFD-200; 45cm	N/A	CFD-200; 45cm	CFD-200; 45cm	N/A
MOUNTING	Wall Mount/ Desktop	Pole Mount Wall Mount	Pole Mount Wall Mount	Pole Mount					
APPLICATION	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Indoor	Outdoor	Outdoor

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 Female to N Female	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	25 CM	N/A

> Powerline



Powerline

TP-LINK Ethernet Powerline Adapter provides another networking solution for the SOHO life. Just plug the adapters into the existing outlets, totally Plug-N-Play, build up an in-home internet-sharing environment, streaming IPTV, playing online games and transferring files over the powerline, no new wires. With the help of built-in QoS and powerful AES encryption, TP-LINK Ethernet Powerline Adapter constructs a reliable and safe network to cover the whole house.

Wire-Free Application

TP-LINK Ethernet Powerline Adapter takes advantage of your home's existing electrical wire to create or extend a network, no need to be worry about the networking cable deployment any more.

Extend Your Network

Connect a TP-Link Powerline Ethernet Adapter to a wireless access point to extend your network to the farthest corners of your home. You can also expand your network by attaching a switch to a TP-Link Powerline Ethernet Adapter and enable a high-speed Ethernet connection to multiple devices in a single room.

Online Gaming & Audio/Video Streaming

TP-Link Powerline Ethernet Adapters have built-in Quality of Service (QoS) feature which enables lag-free gaming, audio/video streaming simultaneously, and the application with real-time requirements.



200Mbps Powerline Ethernet Adapter

TL-PA201

- High data rate up to 200Mbps, fast enough to stream HD video
- Provides 1 Ethernet port for connection
- Supports IGMP managed multicast IP transmission, optimizes IPTV streaming
- QoS assures the quality of bandwidth sensitive applications such as voice, video and online games
- Easy to connect your Powerline Ethernet network by just pushing a button
- Powerful 128-bit AES encryption ensures privacy and security for the powerline communications
- Low power consumption
- Supports Windows® Vista™



85Mbps Powerline Ethernet Adapter

TL-PA101

- High data rate up to 85Mbps
- Supports IGMP managed multicast IP transmission, optimizes IPTV streaming
- QoS assures the quality of bandwidth sensitive applications such as voice, video and online games
- Adopts 56-bit DES encryption, ensures privacy and security for the powerline communications
- Low power consumption
- Backward-compatible to HomePlug standard 1.0
- Supports Windows® Vista™

> ADSL



Wireless ADSL2+ Router

TP-LINK Wireless ADSL2+ Router is a 3-in-1 device that combines the functions of a high-speed DSL modem, wireless G access point and Ethernet router. It is designed to give you an optimal way of acquiring Internet access and setting up a wireless network. Using multiple technologies melded into one device, there is no longer any need to use multiple machines and cables to create a small office or home network. Featuring the latest in both Internet connection and networking technology, these devices are truly the seamless option when creating a small wireless network.

Super G™

Super G™ technology doubles the wireless transfer rate from 54Mbps of traditional 11g to 108Mbps. As such, users can stream video, play online games, and operate a number of other bandwidth intensive applications more smoothly.

eXtended Range™

eXtended Range™ technology allows users to enjoy reliable, broader signal coverage, usually 2-3 times further than traditional 11g/b products, and stronger signal penetration making it much more efficient at reaching hard to reach areas such as through walls and floors.

Annex M

This technology extends the capability of basic ADSL2+ by doubling the upstream data rates. The data rates can be as high as 24 Mbps downstream and 3.5 Mbps upstream depending on the distance from the DSLAM to the customer's home.

QoS (Quality of Service)

Many bandwidth-intensive tasks such as voice, video and data transforming can be conducted simultaneously. And at the same time, tasks such as voice and video that are require more bandwidth and are sensitive to signal drops will be given task priority through the router.

SPI and NAT Firewall

Protect LAN devices from potential attacks across the Internet.



108M Wireless ADSL2+ Routers

TD-W8920G (Annex A) / TD-W8920GB (Annex B)

- Super G™ technology for up to 2x the speed of standard 802.11g products
- eXtended Range™ technology for up to 4x the range of standard 802.11g products
- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- Address Reservation makes it easier to manage the local networking devices
- Port Mapping allows multiple PVC applications
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected



54M Wireless ADSL2+ Routers

TD-W8910G (Annex A) / TD-W8910GB (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- Address Reservation makes it easier to manage the local networking devices
- Port Mapping allows multiple PVC applications
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected



1-Port 54M Wireless ADSL2+ Router

TD-W8101G (Annex A)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- SPI and NAT Firewall protects LAN devices from potential attacks across the Internet
- VLAN allows multiple PVC applications and VLAN grouping
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected



54M Wireless ADSL2+ Routers

TD-W8901G (Annex A) / TD-W8901GB (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- SPI and NAT Firewall protects LAN devices from potential attacks across the Internet
- VLAN allows multiple PVC applications and VLAN grouping
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected

Wired ADSL2+ Router

TP-LINK Wired ADSL2+ 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. Featuring the latest in both Internet connection and networking technology, these devices are truly the seamless option when creating a small wired network.

Annex M

This technology extends the capability of basic ADSL2+ by doubling the upstream data rates. The data rates can be as high as 24 Mbps downstream and 3.5 Mbps upstream depending on the distance from the DSLAM to the customer's home.

QoS (Quality of Service)

Many bandwidth-intensive tasks such as voice, video and data transforming can be conducted simultaneously. And at the same time, tasks such as voice and video that are require more bandwidth and are sensitive to signal drops will be given task priority through the router.

SPI and NAT Firewall

Protect LAN devices from potential attacks across the Internet.

Address Reservation

This technology allows users to bind MAC addresses to specific IP addresses so that every time the selected devices will always get the same IP address. Address reservation makes it easier to manage local networking devices.

Port Mapping

Port Mapping binds specific LAN ports to specific PVCs (Permanent Virtual Circuits) so that different ports can subscribe to different services like IPTV, VoIP and Internet access. Port mapping makes multiple PVC applications available.

VLAN (Virtual Local Area Network)

VLAN adds specific PVCs and LAN ports to a group so that only the specified ports within the group can subscribe the services the PVC provides. VLAN not only makes multiple PVC applications such as IPTV, VoIP and Internet access available, but also isolates ports and PVCs of different group, which may keep your LAN safer.



1-Port Ethernet ADSL2+ Routers

TD-8816 (Annex A) / TD-8816B (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- SPI and NAT Firewall protects LAN devices from potential attacks across the Internet
- VLAN allows multiple PVC application and VLAN grouping
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected



1-Port Ethernet and 1-Port USB ADSL2+ Routers

TD-8811 (Annex A) / TD-8811B (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- Address reservation makes it easier to manage local networking devices
- Auto-reconnect keeps Internet always connected



1-Port Ethernet ADSL2+ Routers

TD-8810 (Annex A) / TD-8810B (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- Address reservation makes it easier to manage local networking devices
- Auto-reconnect keeps Internet always connected



1-Port Ethernet and 1-Port USB ADSL2+ Routers

TD-8817 (Annex A) / TD-8817B (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- SPI and NAT Firewall protects LAN devices from potential attacks across the Internet
- VLAN allows multiple PVC application and VLAN grouping
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected



4-Port Ethernet ADSL2+ Routers

TD-8840 (Annex A) / TD-8840B (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- Address reservation makes it easier to manage local networking devices
- Auto-reconnect keeps Internet always connected



4-Port Ethernet ADSL2+ Routers

TD-8840T (Annex A) / TD-8840TB (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- SPI and NAT Firewall protects LAN devices from potential attacks across the Internet
- VLAN allows multiple PVC application and VLAN grouping
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected



4-Port Ethernet and 1-Port USB ADSL2+ Routers

TD-8841 (Annex A) / TD-8841B (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- Address reservation makes it easier to manage local networking devices
- Auto-reconnect keeps Internet always connected



4-Port Ethernet and 1-Port USB ADSL2+ Routers

TD-8841T (Annex A) / TD-8841TB (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- QoS enables smooth VoIP, video streaming and lag-free online gaming
- SPI and NAT Firewall protects LAN devices from potential attacks across the Internet
- VLAN allows multiple PVC application and VLAN grouping
- TR-069 enables centralized management
- Auto-reconnect keeps Internet always connected

ADSL2+ Modem



ADSL2+ Modems

TD-8610 (Annex A) / TD-8610B (Annex B)

- Supports 8 PVCs



ADSL2+ Modems

TD-8616 (Annex A) / TD-8616B (Annex B)

- Annex M allows for doubling the upstream data rate up to 3.5Mbps
- Supports 2 PVCs

ADSL2+ Modem

TP-LINK ADSL2+ Modem supports the latest ADSL2/2+ standards to provide higher performance and longer reach from your Internet Service Provider's (ISP) DSLAM. You can also create a wired network to share your high-speed Internet connection by adding a multi-port router.

Annex M

This technology extends the capability of basic ADSL2+ by doubling the upstream data rates. The data rates can be as high as 24 Mbps downstream and 3.5 Mbps upstream depending on the distance from the DSLAM to the customer's home.

56K Modem

TP-LINK 56K Modem is designed to give you a traditional way of acquiring Internet access. Even though the DSL service is not ready there, you can still get on the Internet through a dial-up connection.

56K Modem



56K PCI Modem

TM-IP5600

- ITU-T V.92 and V.44 compression standards allows for 56K internet access speed

> Print Server

Print Server

TP-LINK Print Server allows multi-users to share printing via a printer, meanwhile you can take the computer out of the loop while setting up a printing network. All that needed is to connect the printer via a print server to your LAN, and all the computers on the LAN can share the printer service. We provide both wired and wireless print servers to satisfy your home and office demands.

Great Compatibility

TP-LINK print servers are compatible with most majorities of printers on the market. At the same time, we also make sure to keep our products up to date with new models of printers. (To see the list of compatible printers, please visit our website: <http://www.tp-link.com/products/ps.asp>)

High-speed Printing

TP-LINK print servers feature high-speed microprocessor and USB 2.0 port to ensure user printing jobs are processed both effectively and rapidly. (Related Products: TL-WPS510U, TL-PS110U, TL-PS210U, TL-PS310U)

Wide Applicability

TP-LINK print servers support a majority of operating systems including Windows, Netware, Unix/Linux, and Mac. Also TP-LINK print servers support a number of network protocols including TCP/IP, IPX/SPX, NetBEUI, Apple Talk, LPR, IPP/SMB, RAW TCP, increasing the width of application.

MFP Supported (Multi Function Printer)

TP-LINK MFP print server provided an easy and convenient way to share your multi function printer for Printing, Scanning, Fax and Copy through a network. (Related product: TL-PS210U, TL-PS310U)



Pocket-sized Wireless USB Print Server

TL-WPS510U

- IEEE 802.11g and 802.11b standards
- 1 USB2.0 high-speed printer connection
- High compatibility with most majorities of printers on the market
- Supports WEP 64/128 bits encryption and WPA/WPA2-PSK security
- OS: Windows 2000/XP/2003/Vista, Unix/Linux, MAC OS X 10.2 or higher
- Protocol: TCP/IP



USB MFP and Storage Server

TL-PS310U

- 1 USB2.0 high-speed printer connection
- High compatibility with most majorities of USB devices on the market, like Multi-Function Printer, external hard drive, memory card reader, USB webcam, etc
- Supports up to 4 USB devices by connecting to a USB hub
- OS: Windows 2000/XP/Vista
- Protocol: Proprietary virtual USB protocol



USB MFP Print Server

TL-PS210U

- 1 USB2.0 high-speed printer connection
- High compatibility with most majorities of printers on the market
- Shares printing, scanning, fax and copy via MFP server
- OS: Windows 2000/XP/Vista
- Protocol: TCP/IP



USB Print Server

TL-PS110U

- 1 USB2.0 high-speed printer connection
- High compatibility with over 320 kinds of printers on the market
- OS: Windows 9X/ME/NT/2000/XP/Vista, MAC OS8.0 or higher, UNIX/LINUX, Netware 3.12 or higher (Bindery/NDS)
- Protocol: TCP/IP, IPX/SPX, NetBEUI, Apple Talk, LPR, IPP/SMB, RAW TCP



Parallel Print Server

TL-PS110P

- 1 Parallel port printer connection
- High compatibility with over 225 kinds of printers on the market
- OS: Windows 9X/ME/NT/2000/XP/Vista, MAC OS8.0 or higher, UNIX/LINUX, Netware 3.12 or higher (Bindery/NDS)
- Protocol: TCP/IP, IPX/SPX, NetBEUI, Apple Talk, LPR, IPP/SMB, RAW TCP

> Router



SOHO Router

TP-LINK SOHO Routers are the perfect solution for sharing one broadband connection for all computers or Ethernet devices on your home and small office network. It features strong functions, high performance, and easy configuration router.

DDNS (Dynamic Domain Name System)

DDNS makes it possible for other places on the Internet to establish connections to your servers without needing to track the IP address, realizing the remote management easily with the domain name.

Abundant Forwarding Rules

Virtual Server, Special Application, DMZ host and UPnP helps you build your own servers, such as web page services, FTP services, etc.

IP Based QoS

IP based bandwidth control allows a network administrator to determine how much bandwidth is allotted to one certain station, it ensures the Video, Voice or gaming data pass the network smoothly.

Time Based Access Control

Access control based on time of day, parents and network administrators can establish restricted access policies for children or staffs.



8-port Cable/DSL Router (For Home and Office Users)

TL-R860

- Built-in 8 10/100Mbps switch
- 802.1x, PPPoE, Dynamic IP, Static IP, and Bigpond Internet connection options easily connect to Internet
- With time-based access control, parents and network administrators can establish restricted access policies for children or staff
- Dynamic DNS helping you easily realize remote management
- Virtual Server, Special Application, DMZ host, and UPnP helping you build your own servers
- NAT firewall with Denial of Service (DoS) attack protection to safeguard your network
- The web-based utility can manage all settings and configurations



4-port Cable/DSL Router (For Home Users)

TL-R402M

- Built-in 4 10/100Mbps switch
- PPPoE, Dynamic IP, Static IP, L2TP Internet connection options easily connect to Internet
- Virtual Server, Special Application, DMZ host, and UPnP helping you build your own servers
- NAT firewall safeguards your network



4-port Cable/DSL Router (For Home and Office Users)

TL-R460

- Built-in 4 10/100Mbps switch
- 802.1x, PPPoE, Dynamic IP, Static IP, and Bigpond Internet connection options easily connect to Internet
- IP QoS ensures good performance of bandwidth-intensive or delay-sensitive applications, such as multimedia streaming, video teleconferencing, online gaming, etc.
- With time-based access control, parents and network administrators can establish restricted access policies for children or staff
- Dynamic DNS helping you easily realize remote management
- Virtual Server, Special Application, DMZ host and UPnP helping you build your own servers
- NAT firewall with Denial of Service (DoS) attack protection to safeguard your network

Load Balance Broadband Router

TP-LINK Load Balance Broadband Routers provide multiple WAN ports in a single router. It is ideal as the malfunction of one port won't lead to network failure as other ports will work as backups making the faulty connection redundant. At the same time, network traffic is managed to ensure that data is properly distributed to each port.

Multi-bandwidth, easily realize

- Different ISP lines have their own services. With multi-bandwidth, users can enjoy multi-services provided by different ISPs
- Connection line backups
- Multi-WAN ports double or 4 times the egress bandwidth

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. The users can truly experience multi-line broadband through the full use of multi-line resource.

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 voice over IP and IPTV. TP-LINK Load Balance broadband router supports IP and port based QoS, it enables your streaming multimedia, Video Teleconferencing, gaming etc. with high performance.

IP and MAC Address binding efficiently avoids network attack

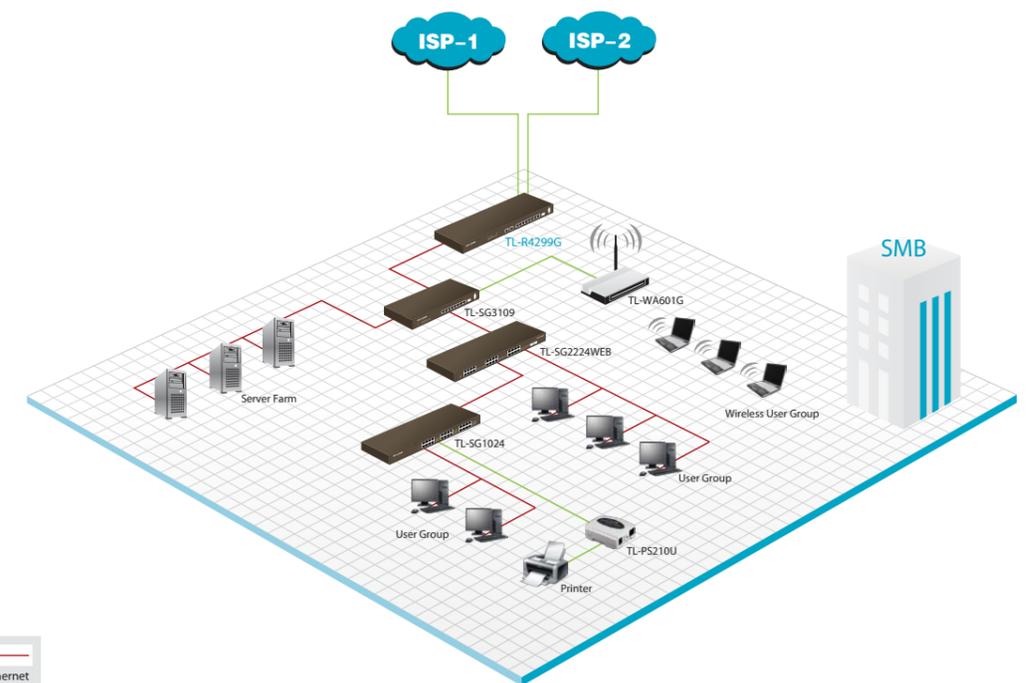
IP and MAC Address binding ensures that only those computers that pass verification using both the correct IP and MAC address can access the network thereby limiting the ability of hostile entities to attack the network.

Strong firewall forcefully prevents attacks from intruders and viruses

NAT (Network Address Translation) firewall, strong attack and defense function, internal and external attack precautions protect the network from various intruders and attacks.

WAN interface online detecting and testing

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



Legend



	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R4299G	Dual-WAN Gigabit Load Balance Broadband Router
SWITCH	TL-SG3109	9-port Gigabit Managed Switch
SWITCH	TL-SG2224WEB	24-port Gigabit Web Smart Switch
SWITCH	TL-SG1024	24-port Unmanaged Gigabit Rackmount Switch
WIRELESS AP	TL-WA601G	Wireless Super G Access Point
WIRELESS ADAPTER	TL-WN620G	Wireless Super G USB Adapter
PRINT SERVER	TL-PS210U	USB MFP Print Server
ADAPTER	TG-3269	Gigabit PCI Network Adapter

MODEL NO.		TL-R480T+	TL-R488T	TL-R4299G	
PRODUCT DESCRIPTION		Dual-WAN Load Balance Broadband Router	Quad-WAN Load Balance Broadband Router	Dual-WAN Gigabit Load Balance Broadband Router	
PORTS	LAN	3 10/100Mbps	1 10/100Mbps	8 10/100/1000Mbps	
	WAN	2 10/100Mbps	4 10/100Mbps	2 10/100Mbps	
	CONSOLE	1	1	1	
	SFP	0	0	1 Gigabit	
CPU	CHIP	Intel Xscale	Intel Xscale	Intel Xscale	
	FREQUENCY	266MHz	533MHz	533MHZ	
RAM		32MB	32MB	64MB	
MAXIMUM NUMBER OF CONCURRENT SESSIONS		65,000	65,000	100,000	
DHCP	DHCP SERVER	1024/256	1024/256	4096/256	
	DHCP CLIENT	√	√	√	
MAC ADDRESS MODIFY/CLONE		√	√	√	
COMMON FUNCTION					
VPN PASS-THROUGH	PPTP	√	√	√	
	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	32/1024	
IP CONNECTION SESSION CONTROL		16/512	16/512	32/1024	
CONNECTION SESSION LIST		√	√	√	
PORT SETTINGS					
VLAN	SUPPORT OR NOT	√	x	√	
	MODE	Port	x	Port	
ENTRIES		3	x	9	
PORT MIRRORING		√	x	√	
FLOW STATISTICS		√	√	√	
LAN AND WAN PORT SETTING		√	√	√	
FORWARDING RULES					
VIRTUAL SERVER		ENTRIES 32	ENTRIES 32	ENTRIES 32	
SPECIAL APPLICATION		ENTRIES 16	ENTRIES 16	ENTRIES 16	
STATIC ROUTING		ENTRIES 16	ENTRIES 16	ENTRIES 16	
DMZ HOST		√	√	√	
UPNP		√	√	√	
FIREWALL FUNCTION					
FIREWALL RULES SETTING		ENTRIES 128	ENTRIES 128	ENTRIES 128	
MAC ADDRESS FILTERING		ENTRIES 256	ENTRIES 256	ENTRIES 256	
DOMAIN NAME FILTERING		ENTRIES 128	ENTRIES 128	ENTRIES 128	
IP/MAC ADDRESS BINDING		ENTRIES 512	ENTRIES 512	ENTRIES 1024	
ATTACK PREVENTION	DOS PROTECTION	√	√	√	
	SCAN PROTECTION	√	√	√	
	IP PACKETS CONTAINING OPTIONS	√	√	√	
	SUSPICIOUS PACKAGE	√	√	√	
SYSTEM FUNCTION					
REMOTE MANAGEMENT		√	√	√	
SYSTEM LOG		√	√	√	
CONFIGURATION FILE UPLOADING AND DOWNLOADING		√	√	√	
TFTP UPGRADE		x	x	x	
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	
	WAN BANDWIDTH PERCENTAGE DISPLAY	√	√	√	
	LAN IP STATISTICS		√	√	√
	DETECTING ONLINE	ICMP DETECTING	√	√	√
DNS DETECTING		√	√	√	
TCP CONNECTING TEST		√	√	√	
DIMENSIONS(WxDxH)		294x180x44 mm	294x180x44 mm	440x220x44 mm	

* To be released

SMB Broadband Router

TP-LINK SMB Broadband Routers provide a cost-effective solution for the office. Connecting the router with your ISP allows all computers in your office to share the Internet at simultaneously. QoS settings optimize network resource bandwidth and simultaneous sessions can be limited depending on preference and P2P software is easier than ever before. These routers also feature intensive security with MAC and IP address blinding making ARP assaults nearly impossible.

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 voice over IP and IPTV. TP-LINK Load Balance broadband router supports IP and port based QoS, it enables your streaming multimedia, Video Teleconferencing, gaming etc. with high performance.

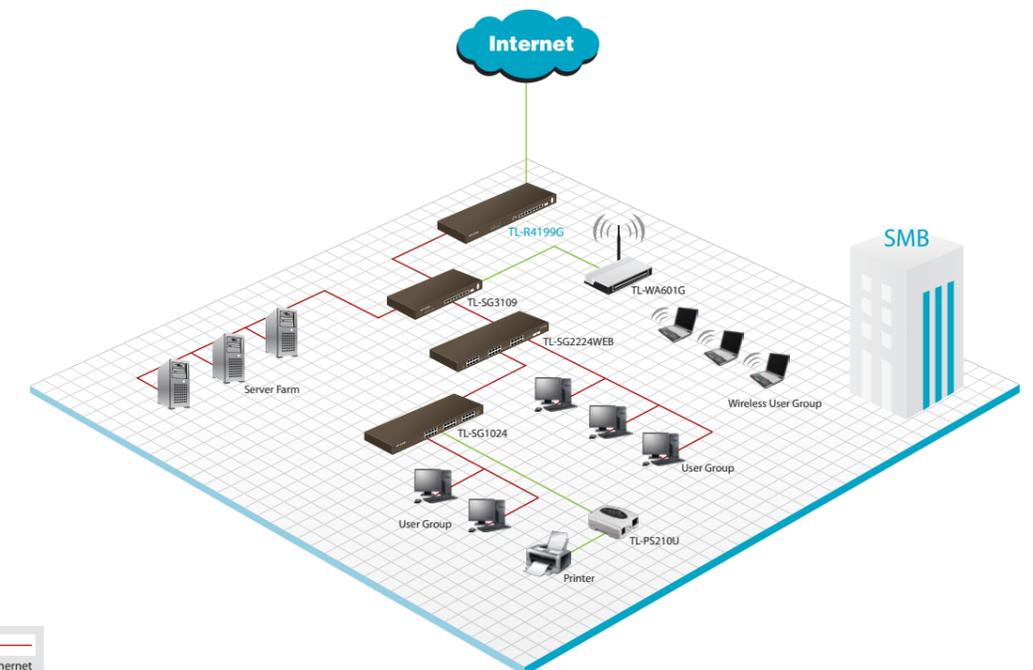
IP and MAC Address binding efficiently avoids network attack
IP and MAC Address binding ensures that only those computers that pass verification using both the correct IP and MAC address can access the network thereby limiting the ability of hostile entities to attack the network.

Strong firewall forcefully prevents attacks from intruders and viruses

NAT (Network Address Translation) firewall, strong attack and defense function, internal and external attack precautions protect the network from various intruders and attacks.

WAN interface online detecting and testing

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



Legend



	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R4199G	SMB Broadband Router
SWITCH	TL-SG3109	9-port Gigabit Managed Switch
SWITCH	TL-SG2224WEB	24-port Gigabit Web Smart Switch
SWITCH	TL-SG1024	24-port Unmanaged Gigabit Rackmount Switch
WIRELESS AP	TL-WA601G	Wireless Super G Access Point
WIRELESS ADAPTER	TL-WN620G	Wireless Super G USB Adapter
PRINT SERVER	TL-PS210U	USB MFP Print Server
ADAPTER	TG-3269	Gigabit PCI Network Adapter

SMB Broadband Router

			
MODEL NO.		TL-R480T	TL-R4199G
Product Description		4 LAN Ports SMB Broadband Router	9 Gigabit LAN Ports SMB Broadband Router
PORTS	LAN	4 10/100Mbps	8 10/100/1000Mbps
	WAN	1 10/100Mbps	1 10/100Mbps
	CONSOLE	1	1
	SFP	0	1 Gigabit
CPU	CHIP	Intel Xscale	Intel Xscale
	FREQUENCY	266MHz	533MHz
RAM		32MB	64MB
MAXIMUM NUMBER OF CONCURRENT SESSIONS		65,000	100,000
DHCP	DHCP SERVER	1024/256	4096/256
	DHCP CLIENT	√	√
MAC ADDRESS MODIFY/CLONE		√	√
COMMON FUNCTION			
VPN PASS-THROUGH	PPTP	√	√
	IPSEC	√	√
DIAL-UP	PPPOE/STATIC IP/DYNAMIC	√*	√*
	STATIC IP+802.1X	√*	√*
	DYNAMIC+802.1X	√	√
DYNAMIC DNS		√	√
QOS			
PORT BANDWIDTH CONTROL		√	√
IP BANDWIDTH CONTROL	GRANULARITY	16/400	32/1024
IP CONNECTION SESSION CONTROL		16/512	32/1024
CONNECTION SESSION LIST		√	√
PORT SETTINGS			
VLAN	SUPPORT OR NOT	√	√
	MODE	Port Based	Port Based
ENTRIES		4	9
PORT MIRRORING		√	√
FLOW STATISTICS		√	√
LAN AND WAN PORT SETTING		√	√
FORWARDING RULES			
VIRTUAL SERVER	ENTRIES	32	32
SPECIAL APPLICATION	ENTRIES	16	16
STATIC ROUTING	ENTRIES	16	16
DMZ HOST		√	√
UPNP		√	√
FIREWALL FUNCTION			
FIREWALL RULES SETTING	ENTRIES	128	128
MAC ADDRESS FILTERING	ENTRIES	256	256
DOMAIN NAME FILTERING	ENTRIES	128	128
IP/MAC ADDRESS BINDING	ENTRIES	512	1024
ATTACK PREVENTION		√	√
DOS PROTECTION		√	√
SCAN PROTECTION		√	√
IP PACKETS CONTAINING OPTIONS		√	√
SUSPICIOUS PACKAGE		√	√
SYSTEM FUNCTION			
REMOTE MANAGEMENT		√	√
SYSTEM LOG		√	√
CONFIGURATION FILE UPLOADING AND DOWNLOADING		√	√
TFTP UPGRADE		x	x
WEB UPGRADE		√	√
HTTPS CONFIGURATION		√	√
FLOW STATISTICS		√	√
DIMENSIONS (WxDxH)		294x180x44 mm	440x220x44 mm

* To be released



Managed Switch

The TP-LINK Managed Switch offers you powerful management functions. It can manage your network much easier than before due to flexible access modes. You can use CLI over telnet sessions or SNMP Managed or Web Managed. Stability is a keyword in networking; our Managed Gigabit Switch will assure you great stability and excellent performance. Meanwhile, multiple spanning tree protocol, complete QoS tactics and powerful security functions ensure a reliable network.

High Reliability

- STP/RSTP/MSTP (Spanning Tree Protocol/Rapid Spanning Tree Protocol /Multiple Spanning Tree Protocol) are supported. They are greatly improved to guarantee network stability
- Link-aggregation (LACP) expands the bandwidth of a switch port and balance the traffic among all the ports in a link aggregation

Flexible Security Control Policies

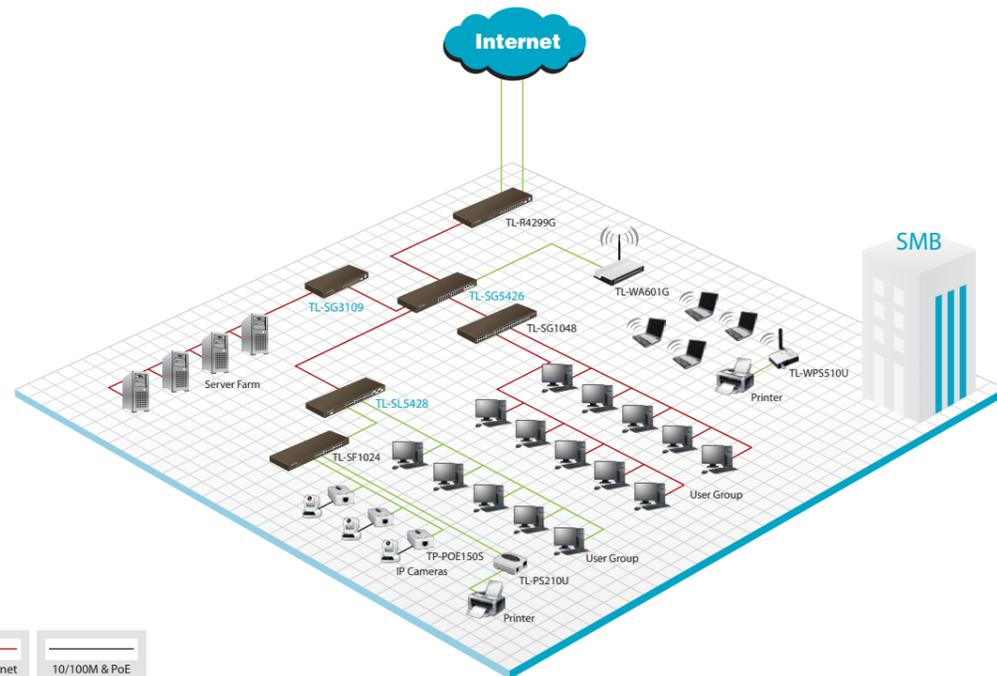
- With DHCP Snooping, IP Source Guard support
- IEEE 802.1x port-based authentication, central management for administration access via TACACS+ and RADIUS
- 802.1Q VLAN, and with extensive VLAN support including GARP/GVRP to enhance network security
- Guest VLAN function enables supplicant systems that are not authenticated to access specific resources
- SSH, SSL offer security information protection and powerful authentication function to safeguard the Ethernet switch from attacks.

Enhanced Network Performance & Availability

- Access Control Lists (ACLs) will restrict access to sensitive network resources by denying packets based on source and destination MAC addresses, IP addresses, TCP/UDP ports
- 802.1p and port-based priority for smooth traffic and multimedia applications
- IGMP snooping to control multicast transmission
- Port mirroring to facilitate diagnostics

Diversified System Configuration and Management Modes

- With IP Clustering feature, allowing a set of switches to be managed by a single IP
- SNMP v1/v2/v3 and RMON (Remote Monitoring), 1/2/3/9 groups. Traps can be set on abnormal events and information can be polled to maximize the productivity of the network
- CLI, Web based network management, and TELNET which make the equipment management more convenient
- VCT (Virtual Cable Test) which is convenient for troubleshooting



Legend



	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R4299G	Dual-WAN Gigabit Load Balance Broadband Router
SWITCH	TL-SG5426	26-port Gigabit Managed Switch
SWITCH	TL-SL5428	24-port 10/100 + 4-port Gigabit Managed Switch
SWITCH	TL-SG3109	9-port Gigabit Managed Switch
SWITCH	TL-SG1048	48-port Unmanaged Gigabit Rackmount Switch
SWITCH	TL-SF1024	24-port Unmanaged 10/100M Rackmount Switch
WIRELESS AP	TL-WA601G	Wireless Super G Access Point
PRINT SERVER	TL-WP5510U	Pocket-sized Wireless Print Server
PRINT SERVER	TL-PS210U	USB MFP Print Server
POE	TL-POE150S	PoE Supplier Adapter

	TL-SG5426	TL-SL5428
MODEL	TL-SG5426	TL-SL5428
PRODUCT DESCRIPTION	26-port Gigabit Fully Managed Switch	24-port 10/100 + 4-port Gigabit Fully Managed Switch
10/100MBPS RJ45 PORTS	0	24
10/100/1000MBPS RJ45 PORTS	26	4
GIGABIT SFP PORTS	4	4
RS232 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	8.8G
MAC ADDRESS TABLE	8K	8K
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/Private/voice/ MAC-based /IP-subnet VLAN, GVRP, MVR, Q-in-Q
BROADCAST STORM CONTROL	√	√
RATE LIMIT	√	√
PORT CONFIGURATION	√	√
PORT MIRRORING	√	√
PORT TRUNKING	√	√
802.3AD AND LACP	√	√
ACL(Access Control List)	L2/3/4, 100 entries	L2/3/4, 1K entries
IP SOURCE GUARD	√	√
SPANNING TREE	STP & RSTP & MSTP	STP & RSTP & MSTP
IGMP SNOOPING	v1, v2	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+)	Port/MAC Based	Port/MAC Based
DHCP	Client, Snooping	Client, Snooping, Option 82 Relay, dynamic provision (option 66,67)
VIRTUAL STACK	32units	32units
MANAGEMENT	CLI, Telnet, Web-based	CLI, Telnet, Web-based
SSL/SSH/HTTPS	√	√
FIRMWARE UPGRADE	TFTP	TFTP
STATUS LEDS	√	√
SAFETY & EMISSION	CE, FCC	CE, FCC
POWER SUPPLY	Internal Power	Internal Power
DIMENSIONS (WxDxH)	17.3*9.0*1.7in. (440 * 230 * 44mm)	17.5*6.7*1.5in. (440 * 230 * 44mm)
HOUSING	Steel Case Rack-mount	Steel Case Rack-mount

			
MODEL NO.	TL-SG3109	TL-SL3428	TL-SL3452
PRODUCT DESCRIPTION	9-port Gigabit Managed Switch	24+4G Gigabit-Uplink Managed Switch	48+4G Gigabit-Uplink 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
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	√	√	√
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)	11.6x7.1x1.7 in. (294x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x10.2x1.7 in. (440x260x44 mm)

Web Smart Switch

TP-LINK Web-Smart Switch brings you a well designed Gigabit solution. Excellent-performance CPU and large volume of memory guarantee strong data processing. Internal VCT makes it possible to detect the status of cable directly. Dynamic MAC address management makes it flexible to control the access ability of each port on the switch. Furthermore, you can backup/restore configuration files at any time. All of these functions can be manipulated through an easy-to-use web interface.

QoS (Quality of Service)

TP-LINK Web Smart Switch supports port-based and IEEE 802.1p based priority. QoS enables administrators to assign and designate traffic priority. This process helps applications such as VoIP and video conferencing to be delivered clear and jitter-free.

Bandwidth Control

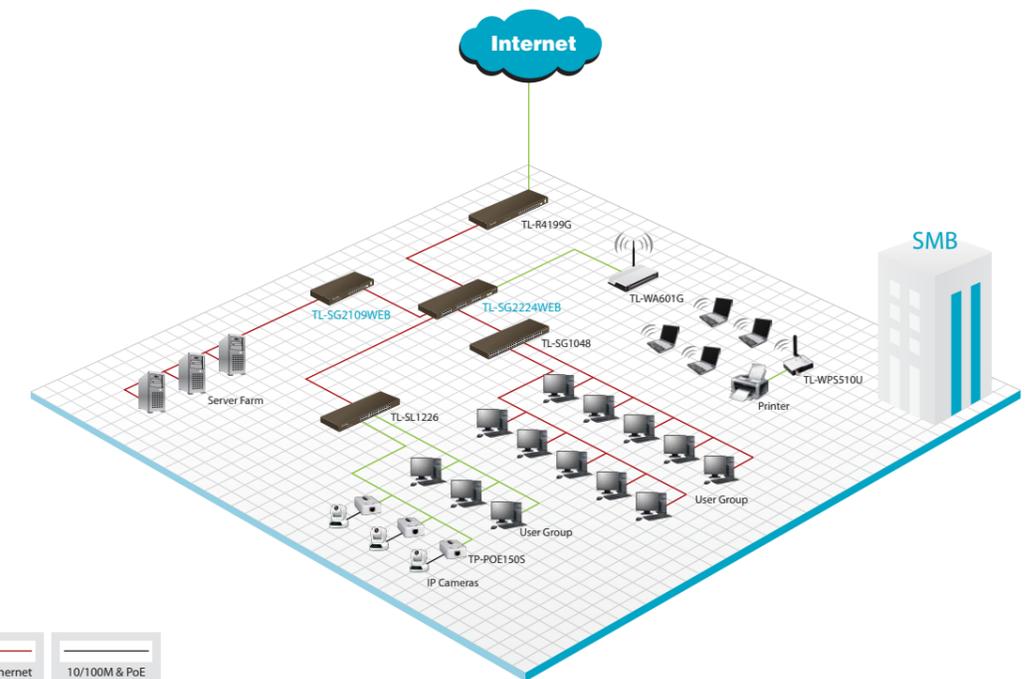
Bandwidth control allows a network administrator to determine how much bandwidth is allotted to one certain port, it guarantees the Video, Voice or gaming data flow to work smoothly.

VLAN Support

IEEE 802.1Q tag VLAN, Port-based VLAN and MTU VLAN are supported by TP-LINK Web Smart Switch. The MTU VLAN can help you easily combine each port with the uplink port in an independent VLAN.

VCT (Virtual Cable Test)

TP-LINK Web Smart Switch supports VCT which is convenient for troubleshooting. Customers can start the virtual cable test (VCT) to make the system test the cable connected to the current electrical Ethernet port. The test items include: whether short or open circuit exists in the Rx/Tx direction of the cable, and what is the length of the cable in normal status or the length from the port to the fault point of the cable.



Legend



	MODEL NO.	DESCRIPTIONS
ROUTER	TL-R4199G	9 Gigabit LAN Ports SMB Broadband Router
SWITCH	TL-SG2224WEB	24-port Gigabit Web Smart Switch
SWITCH	TL-SG2109WEB	9-port Gigabit Web Smart Switch
SWITCH	TL-SG1048	48-port Unmanaged Gigabit Rackmount Switch
SWITCH	TL-SL1226	24+2G Unmanaged Gigabit-Uplink Switch
WIRELESS AP	TL-WA601G	Wireless Super G Access Point
PRINT SERVER	TL-WPS510U	Pocket-sized Wireless Print Server
POE	TL-POE150S	PoE Supplier Adapter

Gigabit Web Smart Switch

				
MODEL NO.	TL-SG2109WEB	TL-SG2216WEB	TL-SG2224WEB	TL-SG2248WEB
PRODUCT DESCRIPTION	9-port Gigabit Web Smart Switch	16-port Gigabit Web Smart Switch	24-port Gigabit Web Smart Switch	48-port Gigabit Web Smart Switch
10/100/1000MBPS RJ45 PORTS	8	16	24	48
GIGABIT SFP PORTS	1	2 (Shared with port 15, 16)	2 (Shared with port 23, 24)	2 (Shared with port 47, 48)
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√	√
AUTO UPLINK EVERY PORT	√	√	√	√
BANDWIDTH/BACKPLANE	18G	32G	48G	96G
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
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	√	√	√	√
BANDWIDTH CONTROL	√	x	x	x
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	√	√	√	√
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)	11.6x7.1x1.7 in. (294x180x44 mm)	17.3x10.2x1.7 in. (440x260x44 mm)	17.3x10.2x1.7 in. (440x260x44 mm)	17.3x14.2x1.7 in. (440x260x44 mm)

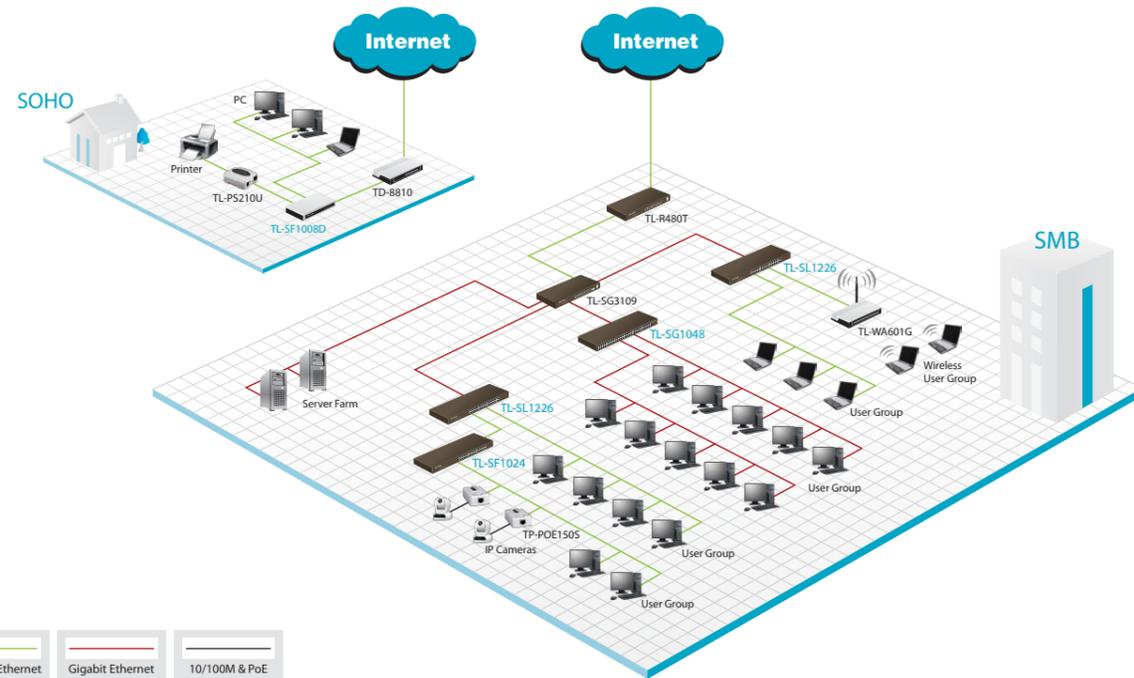
Gigabit-Uplink Web Smart Switch

				
MODEL NO.	TL-SL2210WEB	TL-SL2218WEB	TL-SL2428WEB	TL-SL2452WEB
PRODUCT DESCRIPTION	8+2G Gigabit-Uplink Web Smart Switch	16+2G Gigabit-Uplink Web Smart Switch	24+4G Gigabit-Uplink Web Smart Switch	48+4G Gigabit-Uplink 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	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
PRIORITY QUEUES	4	4	4	4
VLAN	Port-based & Tag & MTU			
BROADCAST STORM CONTROL	√	√	√	√
BANDWIDTH CONTROL	√	√	√	√
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	√	√	√	√
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)	11.6x7.1x1.7 in. (294x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x10.2x1.7 in. (440x180x44 mm)

Unmanaged Switch

Unmanaged Switch

Simply the best! TP-LINK Unmanaged Switch offers a Plug & Play network solution. Using our unmanaged switch, 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	External ADSL2+ Router
ROUTER	TL-R480T	4 LAN Ports SMB Broadband Router
SWITCH	TL-SG3109	9-port Gigabit Managed Switch
SWITCH	TL-SG1048	48-port Unmanaged Gigabit Rackmount Switch
SWITCH	TL-SL1226	24+2G Unmanaged Gigabit-Uplink Switch
SWITCH	TL-SF1024	24-port Unmanaged 10/100M Rackmount Switch
SWITCH	TL-SF1008D	8-port 10/100M Desktop Switch
WIRELESS AP	TL-WA601G	Wireless Super G Access Point
PRINT SERVER	TL-PS210U	USB MFP Print Server
POE	TL-POE150S	PoE Supplier Adapter

Unmanaged Rackmount Switch

	TL-SG1008	TL-SG1016	TL-SG1024	TL-SG1048
MODEL NO.	TL-SG1008	TL-SG1016	TL-SG1024	TL-SG1048
PRODUCT DESCRIPTION	8-port Gigabit Unmanaged Rackmount Switch	16-port Gigabit Unmanaged Rackmount Switch	24-port Gigabit Unmanaged Rackmount Switch	48-port Gigabit Unmanaged Rackmount Switch
10/100/1000MBPS RJ45 PORTS	8	16	24	48
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√	√
AUTO UPLINK EVERY PORT	√	√	√	√
BANDWIDTH/BACKPLANE	16G	32G	48G	96G
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
STATUS LEDS	√	√	√	√
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 (WxDxH)	9.8x6.2x1.7 in. (250x158x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x14.2x1.7 in. (440x180x44 mm)

	TL-SL1109	TL-SL1117	TL-SL1226	TL-SL1351
MODEL NO.	TL-SL1109	TL-SL1117	TL-SL1226	TL-SL1351
PRODUCT DESCRIPTION	8+1G Gigabit-Uplink Unmanaged Rackmount Switch	16+1G Gigabit-Uplink Unmanaged Rackmount Switch	24+2G Gigabit-Uplink Unmanaged Rackmount Switch	48+3G Gigabit-Uplink Unmanaged Rackmount Switch
10/100MBPS RJ45 PORTS	8	16	24	48
10/100/1000MBPS RJ45 PORTS	1	1	2	2
GIGABIT SFP PORTS				1
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√	√
AUTO UPLINK EVERY PORT	√	√	√	√
BANDWIDTH/BACKPLANE	3.6G	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
STATUS LEDS	√	√	√	√
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 (WxDxH)	11.6x7.1x1.7 in. (294x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)

Unmanaged Rackmount Switch

			
MODEL NO.	TL-SF1016	TL-SF1024	TL-SF1048
PRODUCT DESCRIPTION	16-port 10/100M Unmanaged Rackmount Switch	24-port 10/100M Unmanaged Rackmount Switch	48-port 10/100M Unmanaged Rackmount Switch
10/100MBPS RJ45 PORTS	16	24	48
AUTO-NEGOTIATION & AUTO MDI/MDIX	√	√	√
AUTO UPLINK EVERY PORT	√	√	√
BANDWIDTH/BACKPLANE	3.2G	4.8G	9.6G
MAC ADDRESS TABLE	8K	8K	8K
802.3X FLOW CONTROL & BACKPRESSURE	√	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward	Store-and-Forward
STATUS LEADS	√	√	√
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 (WxDxH)	11.6x7.1x1.7 in. (294x180x44 mm)	17.3x7.1x1.7 in. (440x180x44 mm)	17.3x10.2x1.7 in. (440x180x44 mm)

Unmanaged Desktop Switch

		
MODEL NO.	TL-SG1005D	TL-SG1008D
PRODUCT DESCRIPTION	5-port Gigabit Unmanaged Desktop Switch	8-port Gigabit Unmanaged 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	1K	4K
802.3X FLOW CONTROL & BACKPRESSURE	√	√
GREEN ETHERNET	√	√
TRANSFER METHOD	Store-and-Forward	Store-and-Forward
STATUS LEADS	√	√
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)	5.9x3.9x1.1 in. (150x100x28 mm)	7.9x5.6x1.6 in. (200x142x40 mm)

			
MODEL NO.	TL-SF1005D	TL-SF1008D	TL-SF1016D
PRODUCT DESCRIPTION	5-port 10/100M Unmanaged Rackmount Switch	8-port 10/100M Unmanaged Rackmount Switch	16-port 10/100M Unmanaged Rackmount 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 LEADS	√	√	√
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)	5.5x3.4x1.1 in. (140x87x27.5 mm)	5.5x3.4x1.1 in. (140x87x27.5 mm)	7.9x5.6x1.6 in. (200x142x40 mm)

Power over Ethernet

Power over Ethernet

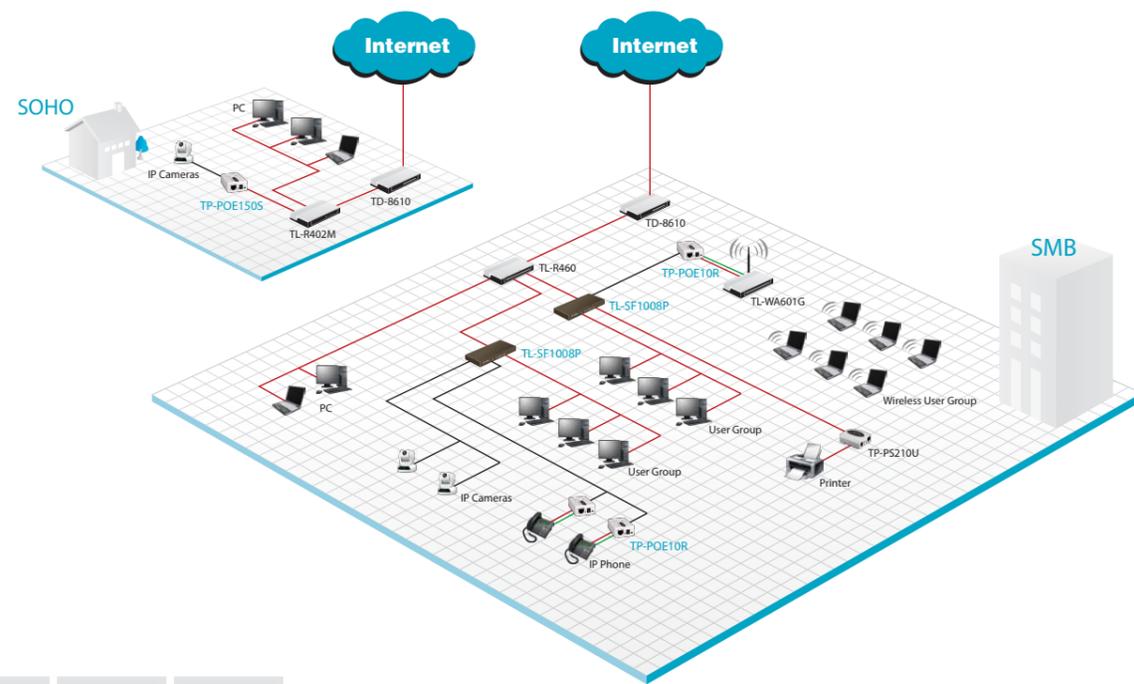
Power over Ethernet (PoE) technology describes a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. This technology is useful for powering IP telephones, wireless LAN access points, network cameras, remote network switches, embedded computers, and other appliances where it would be inconvenient, expensive, or infeasible to supply power separately. The technology is somewhat comparable to POTS telephones, which also receive power and data (although analog) through the same cable. It works with an unmodified Ethernet cabling infrastructure.

PSE

Power Sourcing Equipment (PSE) is a device (switch or hub for instance) that will provide power in a PoE setup. Maximum allowed continuous output power per such device in IEEE 802.3af is 15.40W.

PD

A Powered Device (PD) is a device powered by a PSE and thus consumes energy. Examples include wireless access points etc.. The IEEE 802.3af standard specifies a maximum power usage of 12.95W.



	MODEL NO.	DESCRIPTIONS
ADSL	TD-8610	External ADSL2+ Modem
ROUTER	TL-R402M	4-port Cable/DSL Router
ROUTER	TL-R460	4-port Cable/DSL Router
WIRELESS AP	TL-WA601G	108M Wireless Access Point
POE	TL-SF1008P	8-port 10/100M Desktop PoE Switch
POE	TL-POE150S	PoE Supplier Adapter
POE	TL-POE10R	PoE Receiver Adapter
PRINT SERVER	TL-PS210U	USB MFP Print Server

Power over Ethernet



8-port 10/100M Desktop PoE Switch

TL-SF1008P

TL-SF1008P is an 8 10/100M ports unmanaged switch that requires no configuration and provides 4 PoE (Power over Ethernet) ports. It can automatically detect and supply power with all IEEE 802.3af compliant Powered Devices (PDs). In this situation, the electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no power lines or outlets, where you wish to fix devices such as APs, IP Cameras or IP Phones, etc.

- 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 priority function to protect the system if there is a power surge
- Supports IEEE 802.3af PoE compliant PDs(Powered Devices)
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- External power adapter supply



PoE Supplier Adapter

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
- External power adapter supply



PoE Receiver Adapter

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

> IP Camera

IP Camera

TL-SC3000 from TP-LINK is an ideal choice for home & office monitoring.

This self-contained IP Camera lets you keep track of your home, kids, workplace --- whatever's important to you. Well equipped with all the basic functions such as sensitive Panasonic MOS sensor, granular motion detection, email/FTP alerts, TL-SC3000 distinguishes itself by outstanding features such as 3 GPP support, dual codec, hybrid analog output, etc. which ensure the excellent availability and performance.

3GPP Supported

3GPP (3rd Generation Partnership Project) offers a flexible and convenient way to remotely monitor a home or office from anywhere within a mobile phone's 3G/GPRS service area.

Both MJPEG and MPEG-4 codec are available

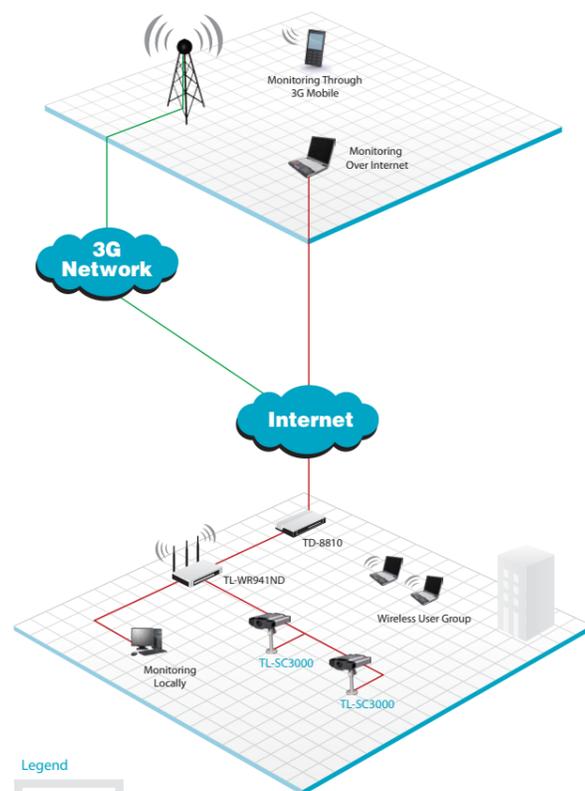
MJPEG delivers greater file integrity, making it ideal for detailed monitoring situation such as monitoring in LAN; while MPEG-4 produces smaller file size, making it better for extended recording periods and transmitting video in bandwidth-intensive networks.

Monitoring 16 channels simultaneously

Bundled management software is integrated with rich functions such as controlling and monitoring 16 compatible cameras simultaneously as well as granular motion detection, email/FTP alerts, archiving video to hard drive or NAS, playing back videos, etc.

Hybrid analog & digital output

This adapts TL-SC3000 to more peripheral players. The smooth video could be seen not only through the remote PC or mobile phone, but on traditional DVR, TV, etc.



Legend
10/100M Ethernet



3GPP Surveillance Camera

TL-SC3000

- 3GPP supported
- Hybrid Digital/Analog Video Output
- MPEG-4 compression provides low-latency video streaming
- Controls up to 16 network cameras simultaneously

	MODEL NO.	DESCRIPTIONS
IP CAMERA	TL-SC3000	3GPP Surveillance Camera
WIRELESS ROUTER	TL-WR941ND	Advanced Wireless N Router
ADSL	TD-8810	1-Port Ethernet ADSL2+ Router

> Media Converter

Gigabit Media Converter



Gigabit SC Multi-mode Media Converter

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

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

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

10/100M Media Converter



10/100M SC Multi-mode Media Converter

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



10/100M SC Single-mode Media Converter

MC110CS

- 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 single-mode fiber, extending fiber distance up to 20-60km



10/100M SC Single-mode WDM Media Converters

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 20-60km



10/100M SC Single-mode WDM Media Converter

TR-966D

- 2 100M SC fiber connectors and 2 10/100M UTP connectors
- WDM technology enables transmitting and receiving data on one single fiber
- Supports single-mode fiber, extending fiber distance up to 20-60km

SFP Module

SFP Module

SFP
The small form-factor pluggable (SFP) is a compact optical transceiver used in optical communications for both telecommunication and data communications applications. It interfaces a network device mother board (for a switch, router or similar device) to a fiber optic or unshielded twisted pair networking cable.

WDM
In fiber-optic communications, wavelength-division multiplexing (WDM) is a technology which multiplexes multiple optical carrier signals on a single optical fiber by using different wavelengths of laser light to carry different signals. This allows for a multiplication in capacity, in addition to enabling bidirectional communications over one strand of fiber.

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

Network Adapter

Network Adapter

A network adapter is a piece of computer hardware designed to allow computers to communicate over a computer network. It is both an OSI layer 1 (physical layer) and layer 2 (data link layer) device, as it provides physical access to a networking medium and provides a low-level addressing system through the use of MAC addresses.

Gigabit Network Adapter

			
MODEL NO.	TG-3269	TG-3468	TG-5269
DESCRIPTION	Gigabit PCI Network Adapter	Gigabit PCIe Network Adapter	Gigabit Cardbus Network Adapter
INTERFACE	32-bit PCI	32-bit PCI	32-bit CardBus
NETWORK PORT	10/100/1000Mbps	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, Linux	Windows 98SE/Me/2000 /XP/XP64, Vista, Linux	Windows 98SE/Me/2000 /XP/XP64, Vista, Linux
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC

10/100M Network Adapter

			
MODEL NO.	TF-3239D	TF-3239DL	TF-5239
DESCRIPTION	10/100M PCI Network Adapter	10/100M PCI Network Adapter	10/100M CardBus Network Adapter
INTERFACE	32-bit PCI	32-bit PCI	32-bit CardBus
NETWORK PORT	10/100Mbps	10/100Mbps	10/100Mbps
REMOTE BOOT	√	×	×
OPERATING SYSTEM	NetWare 3.x, 4.x, Windows 98/Me/NT/2000/XP/Vista, Linux	NetWare 3.x, 4.x, Windows 98/Me/NT/2000/XP/Vista, Linux	NetWare 3.x, 4.x, Windows 98/Me/NT/2000/XP/Vista, Linux
SAFETY & EMISSION	CE, FCC	CE, FCC	CE, FCC



TD-W8920G receives "Best Profit" award from PC World Computer's Test Lab in Poland, 2008



PC Magazine gives TL-WR941ND and TL-WN821N "4 Star Award" in Singapore, 2008



TL-WR841ND gains award of e-zone Choice in Hong Kong, 2008



TD-W8920G wins Techlabs Laboratory "Best in Class" award in Russia, 2008



TL-WR543G wins Techlabs Laboratory "Best Design" award in Russia, 2008



TL-WR841ND wins PC World's "Test Winner" award in Hungary, 2008



TL-SL2210WEB received "Best Price Performance" award from Laboratory Techlabs in Russia, 2008



PC User Magazine gives TD-W8920G their "Best Buy Award" in Australia, 2008



TL-WR642G wins Silver award as Singapore's Hardware Magazine gives a sterling review 2008



TL-WR941ND has gained "PC3 Value Award" presented by magazine PC3 in Hong Kong, 2008



TL-WR543G won 2007 IT Product of the Year in Czech



TL-WR642G won "Best Budget Buy" award from UK Computer Shopper in 2007



TD-W8910G won "Best Quality/Price" of PC Format in 2007, Poland



TL-WR841ND wins "PC3 Value" award in Hong Kong, 2007



TL-WR340GD is PC Station Magazine's "Best Buy" 2007, Hong Kong



TL-WR641G won "Editors' Choice" award from PC Weekly in 2007, Hong Kong



TL-WR641G won "Recommend" of PC Market in 2007, Hong Kong



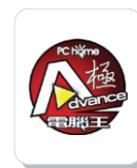
TL-WR340GD makes its mark as Hong Kong CPU Magazine Editors' Choice, 2007



TL-WR642G was rewarded "Recommends" from PC World in 2006, Australia



TL-WR541G gains "Best Value" of Australian Personal Computing Magazine in 2006



TL-WR641G wins "Editors' Choice" from Taiwan PC Advance in 2006



TL-WR641G was awarded "PC3 Design" by PC3 Magazine in 2006, Hong Kong



TL-WR541G won Rank 1st in the comparison test conducted by e-zone in 2006, Hong Kong



TL-WR641G gained "Editors' Choice" from PC Magazine in 2006, China

About TP-LINK

TP-LINK is a global provider of SOHO networking products and No.1 market share holder in China, with products available in over 50 countries to tens of millions customers. Committed to powerful R&D, effective production and strict quality management, TP-LINK continues to provide award-winning networking products in Wireless, ADSL, Routers, Switches, Media Converters and Network Adapters for Global end-users.

Based on the confidence of tens of millions of customers, TP-LINK is now growing to become one of the most competitive providers of networking products with aspirations of becoming one of the Top 3 networking brands and striving for a larger Global market share, while further advancing in the world of networking to better serve our most valued customers with a product that makes their lives easier.

For more information about TP-LINK, please visit our website: www.tp-link.com

