

16-port Gigabit Ethernet Switch TL-SG1016



16 10/100/1000M RJ45 ports

Hassle Free Installation

Standard 19-inch
Rack-mountable Steel Case



Description:

The TP-LINK TL-SG1016 16-Port 10/100/1000 Gigabit Switch provides nonblocking, wirespeed switching for your 10-, 100-, and 1000-megabit (Mb) network clients. Use this switch to replace your current workgroup hub or switch, you can upgrade your high-requirement workstations to full Gigabit speeds as necessary, while continuing to service other clients at their current speeds. Or build your network from the ground up, with appropriate link speeds for each user's requirements. Either way, it's perfect for graphics, multimedia, and other applications that have to move large files across the network quickly.

The auto features of this switch makes installation Plug-and-Play and hassle-free: you can connect your existing 10/100 Ethernet network to a Gigabit server backbone without any additional equipment. All ports have automatic medium dependent interface (MDI) and MDI crossover (MDI-X) cable detection, so you don't have to worry about the cable type. Besides, each port independently and automatically negotiates for best speed and determines whether to run in half- or

full-duplex mode.

Address Learning and Aging are supported, as well as 802.3x flow control with head-of-line blocking prevention to keep your high-speed clients from bogging down in lower-speed traffic. Fast store-and-forward switching prevents damaged packets from being passed on to the network.

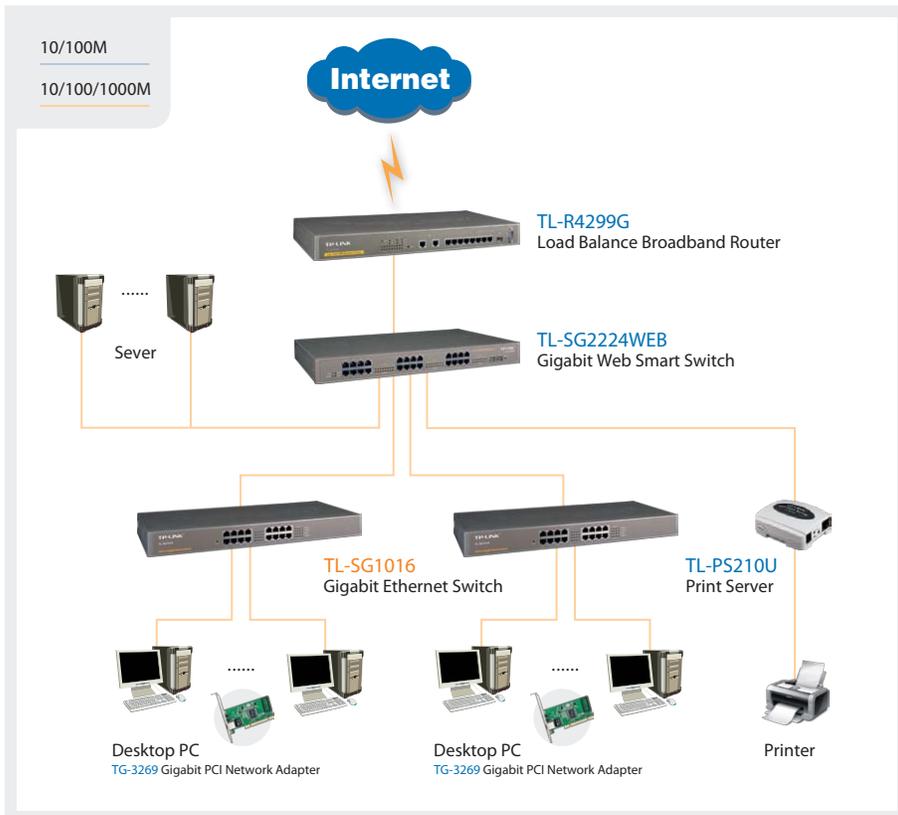
Moreover, The TP-LINK TL-SG1016 supports 802.1p Quality of Service (QoS). When the switch receives a frame tagged with 802.1p priority, it automatically places it into one of 4 priority queues. Priority queuing is useful in implementations where time sensitive data such as voice and video are streamed across the network.

Last but not the least, the rack-mount form factor integrates smoothly into your network infrastructure. Let the TP-LINK TL-SG1016 16-Port 10/100/1000 Gigabit Switch kick your network into high gear.

Specifications:

Standards	802.3, 802.3u, 802.3ab, CSMA/CD, TCP/IP	
Ports	16 10/100/1000M RJ45 Port	
Network Media	10BASE-T	UTP category 3, 4, 5 cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
	100BASE-TX	UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
	1000BASE-T	UTP category 5, 5e cable (maximum 100m) EIA/TIA-568 100Ω STP (maximum 100m)
Switching Capacity	32Gbps	
	10BASE-T	14880pps/port
Forwarding Rate	100BASE-TX	148800pps/port
	1000BASE-T	1488000pps/port
MAC Address Table	MAC Address Table Size 8K	
	Aging Time 300s	
Basic Features	Auto-Negotiation, Auto MDI/MDIX, MAC Address Learning	
	Jumbo Frame: 10240Byte Wire-speed Performance	
Input	100-240VAC, 50/60Hz	
Consumption	19.2W	
Safety, Emission and others	FCC Part 15 Subpart B; CE: EN55022, EN55024, EN61000, EN60950; RoHS	
Operating Temperature	0°C~40°C (32°F~104°F)	
Storage Temperature	-40°C~70°C (-40°F~158°F)	
Operating Humidity	10%~90% non-condensing	
Storage Humidity	5%~90% non-condensing	
Dimensions (L*W*H)	17.3*7.1*1.7 in. (440*180*44 mm)	

Diagram:



Features:

- 16 RJ-45 ports for 10BASE-T / 100BASE-TX / 1000BASE-TX connections
- Auto negotiation of half-duplex and full-duplex mode for all ports
- Auto MDI/MDI-X support on all ports for easy cable detection
- Efficient MAC address learning engine supports up to 8000 MAC addresses
- Store-and-forward forwarding scheme.
- Standard width and mounting kit (included) for easy installation into a rack
- Supports jumbo frame of 9 KB
- Supports IEEE 802.3x full-duplex operation
- European Union Restriction of Hazardous Substances (RoHS) compliant

Package:

- TP-LINK TL-SG1016 Switch
- Power cord
- User Guide
- Rackmount Kit
- Rubber Feet

Related Products:

- TL-R4299G Load Balance Broadband Router
- TL-SG2224WEB 24-port Gigabit Web Smart Switch
- TL-PS210U Single USB2.0 Port MFP Print Server
- TG-3269 Gigabit PCI Network Adapter

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