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QUICK START GUIDE
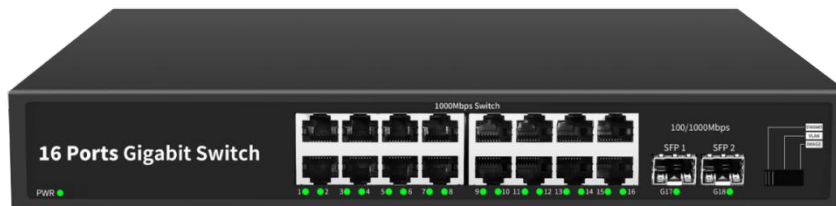
Non-POE switch

Applicable Model: TD-S1216GF

Version : 1.0
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Touching
the future

Product Specification

18-port full Gigabit Ethernet security switch

TD-S1216GF

Product Description

TD-S1216GF series is a self-developed unmanaged full Gigabit Ethernet security switch, equipped with 16 Gigabit adaptive electrical ports + 2 Gigabit SFP uplink fiber slots. The photoelectric combination interface allows customers to realize convenient connection and expansion of the network without being affected by the transmission medium. Optimizing the large backplane, large cache switching chip solution, improving the forwarding rate of large files, and effectively solving the problems of video freeze and picture loss in the high-definition monitoring environment. It is suitable for hotels, banks, campuses, factory dormitories and small and medium-sized enterprises to form cost-effective networks.

Non-network management model, plug and play, no need to configure, easy to use.

Product Features

Full Gigabit rate, high-speed transmission

◇The whole series supports the combination of "Gigabit Ethernet port + Gigabit optical port", which is convenient for users to network flexibly and meet the networking needs of various scenarios;

◇All ports support non-blocking wire-speed forwarding for smoother transmission.

◇Support IEEE 802.3x full-duplex flow control and Backpressure half-duplex flow control.

Equipment is stable and reliable

◇ The host has low power consumption, active fan heat dissipation design, and metal casing to ensure stable

operation of the product.

◇ Adopt self-developed power supply and high redundancy design to provide long-term stable power output.

◇ The equipment meets the national CCC standard, fully complies with CE, FCC, and RoHS safety regulations, and is safe and reliable to use.

Simple operation

◇ Plug and play, no need to configure, simple and convenient.

◇ Users can easily understand the working status of the device through the power indicator (PWR) and port status indicator (Link/Act).

Product Specification

Model	TD-S1216GF	TD-S1224GF
port characteristics		
Fixed Port	16 10/100/1000Base-TX RJ45 ports (Data) 2 1000Base-X SFP uplink optical port slots (Data)	24 10/100/1000Base-TX RJ45 ports (Data) 2 1000Base-X SFP uplink optical port slots (Data)
Network port characteristics	10/100/1000Base-T automatic detection, full/half duplex MDI/MDI-X adaptive	
Twisted pair transmission	10BASE-T：Cat3,4,5 UTP(≤100 meter) 100BASE-TX：Cat5 or later UTP(≤100 meter) 1000BASE-T：Cat5e or later UTP(≤100 meter)	
Chip parameters		
Network protocol	IEEE802.3 10BASE-T； IEEE802.3i 10Base-T； IEEE802.3u 100Base-TX； IEEE802.3ab 1000Base-T； IEEE802.3z 1000Base-X； IEEE802.3x	
forwarding mode	Store-and-forward (full wire speed)	
Backplane Bandwidth	48Gbps (non-blocking)	52Gbps (non-blocking)
Packet forwarding rate@64byte	26.78Mpps	38.69Mpps
MAC address table	8K	
packet forwarding cache	4M	
jumbo frame	10Kbyte	

LED indicator	Power indicator: PWR (green); Data indicator: Link/Act (green)	
power characteristics		
Total power/input voltage	30W （AC100-240V)	
power consumption	Standby power consumption: <6W; full load power consumption: <12W	Standby power consumption: <8W; full load power consumption: <15W
power supply	Built-in switching power supply, AC: 100～240V 50-60Hz 0.56A	
Physical Specifications		
Working temperature/humidity	-20～+55°C; 5%～90% RH non-condensing	
storage temperature/humidity	-40～+75°C; 5%～95% RH non-condensing	
Appearance size (L*W*H)	290*200*45mm	
Net weight/Gross weight	＜1.0kg / ＜1.5kg	
installation method	Desktop, rack installation	
Product Certification		
Lightning Protection/Protection Level	Port lightning protection: 4KV 8/20us; Protection class: IP30	
Certification	3C； CE mark, commercial；CE/LVD EN60950； FCC Part 15 Class B；RoHS；	

Model	Device information	Standard Power Supply
TD-S1216GF	Unmanaged 16 10/100/1000M RJ45 ports + 2 1000M SFP fiber slots, Ethernet security switch, built-in power supply, desktop and rack installation.	30W
TD-S1224GF	Unmanaged 24 10/100/1000M RJ45 ports + 2 1000M SFP fiber slots, Ethernet security switch, built-in power supply, desktop and rack installation.	30W

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