FS

PoE+ Series Switch

Managed PoE+ Gigabit Ethernet Switch with SFP+

Models: S1600-48T4S

Overview

FS Multi-Port Gigabit PoE+ Switch provides a cost-effective and reliable way to quickly extend your business network. Delivering robust performance and intelligent switching for growing networks, the FS PoE+ switch is the perfect choice to optimize your network efficiency.

Benefits

- PoE Support Features
- Layer 2+ Switching Features
- Network Security Mechanisms
- Enhanced Quality of Service
- Enterprise Level Management Features
- Hardware Configuration Features

Technical Specification

PoE+ series switch come with the industry-standard hardware and FSOS. Here's a look at the details.

CHARACTERISTICS

	S1600-48T4S
Ports	
Switch Ports	48 x RJ-45 and 4 x SFP+
Operating System	
OS	FSOS
Key Components	
Switch Chip	VITESSE
Performance	
Switch Class	Layer 2+
Switching Capacity	38.69Gbps
Forwarding Performance	130.94Mpps
Jumbo Frame	9.6KB
Packet Buffer Memory	4M
MAC Address	32K
VLAN	4K
Power Pin Type	End-span
Power	
Total PoE Power Budget	600W
Power Consumption (Per PoE Port)	Max.30W
Input Range	100-240VAC, 50～60Hz
PoE Standard	Compliant with IEEE 802.3af/at

Technical Specification

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CHARACTERISTICS

	S1600-48T4S
Physical and Environmental	
Dimensions (HxWxD)	1.75″ x 17.32″ x 10.82″ (44.5 x 440 x 275mm)
Rack Space	1U
Unit Weight	6.2kg
Operating Temperature	-20º to 55ºC
Storage Temperature	-40º to 85ºC
Operating Humidity	5% to 95%, Non-condensing
Warranty	
Hardware Warranty	4 Years

Primary Features and Benefits

Feature	Benefit
PoE Support Features	• Compliant with IEEE802.3af/at standard. • Support PoE intelligent management system, timing of PoE power supply, power online configuration, voltage and current online monitoring etc. • 25% redundant power peak, can fully allocate IEEE802.3af PD devices, and half allocate the IEEE802.3at PD devices. • IEEE802.3az Energy Efficient Ethernet, can automatically adjust energy consumption according to the ports' actual flow, dynamically sense idle periods between traffic bursts and quickly switch the interfaces into a low power idle mode, save 30% power dissipation.
Layer 2+ Switching Features	• Support O-ring, the failover time <50ms.(ERPS) • Support stable and reliable fast Ring Protection. • Protocol(RSTP), which achieved real ring loop redundancy protection. • Support Port-based VLAN, IEEE 802.1Q VLAN and GVRP, simplify the network planning. • Support QinQ, extends the vlan up to 4094*4094. • Support Link Aggregation Control Protocol (LACP) IEEE 802.3ad. • IGMP v1/v2 snooping, IGMP limits bandwidth-intensive multicast traffic to only the requesters.
Network Security	• Support dynamic or static binding by users' definition, such as IP , MAC, VLAN, PORT, etc. • Support TACACS+, IEEE 802.1x, SNMP v3, HTTPS and SSH, ensures all users are authorized before being granted access to the network. • Support port isolation, to prevent communication between two neighbor network equipment within the same broadcast domain, for reducing network risk. • Support storm control, to prevent traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port. • Threat Defense features including Port Security, Dynamic ARP Inspection, and IP Source Guard. • Access Control Lists (ACLs) restrict access to sensitive network resources by denying packets based on source and destination MAC addresses, IP addresses, and TCP/UDP ports. • Apply security communication technology design, the HD surveillance video has traffic priority. • Adapt to harsh outdoor environments, 5KV ethernet ports surge protection, 6KV power ports surge protection, overcurrent fusing protection.

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Primary Features and Benefits

Feature	Benefit
Enterprise Level Management Features	• Support various advanced management, such as WEB, CLI, TELNET, SNMP. • Support SNMP v1/v2c/v3 which aims at diffrent levels of network management. • RMON enhances the network monitoring and forecasting ability to ensure the network stability. • Support BWM, convenient for online debugging. • Support port mirroring. • Support FS switch intelligent management platform FS-NMS.
Enhanced Quality of Service	• Up to eight egress queues per port and strict priority queuing so that the highest priority packets are serviced ahead of all other traffic. • Strict priority and weighted round-robin (WRR). • Flow-based rate limiting and up to 256 aggregate or individual policers per port. • 802.1p class of service (CoS) and Differentiated Services Code Point (DSCP) classification.
Hardware Configuration Features	• PoE uses top-rated imported Microsemi chip, intelligentized power supply management, constant voltage and current power supply, safe and reliable. • Communication uses high-end imported VITESSE chip, high reliability, high throughput, low latency, excellent traffic control strategy. • PCB applys immersion gold technique, lower the fraction defective, provides signal reliability and anti-oxidative capacity, extend the service life of circuit. • Most advanced lead-free SMT, welding and assembly procedure, safe and environmental, strong heat-resisting ability, improve the seismic capability of devices. • High quality tantalum capacitor features long service life, heat-resisting, high accuracy, non-flammable, excellent frequency etc. • Effective fully loaded switching power supply, Input 100-240VAC, 50-60Hz, overcurrent protection (blown fuses), 6V surge protection, up to 25% power margin. • Galvanized steel metal housing, IP30 protection grade, stronger corrosion and rust prevention, anti-interference. • Ethernet ports use 3µm gold plating technique, abrasion resistant, anti-oxidant, easily conductive, reduce Internet lag, improve the user experiences.

Accessories

Console Cable*1

Power Cord*1

Bracket Screw*8

Rack Mount Bracket*2

User Manual*1

Get started today

Getting started with FS PoE+ series switch is easy. In fact, you can explore and test without spending too much time. Try FS PoE+ series switches, bringing the scalability and agility to the network edge while also lowering total cost of ownership.

United Kingdom

Russia

Germany

United States

China

Singapore

Australia

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