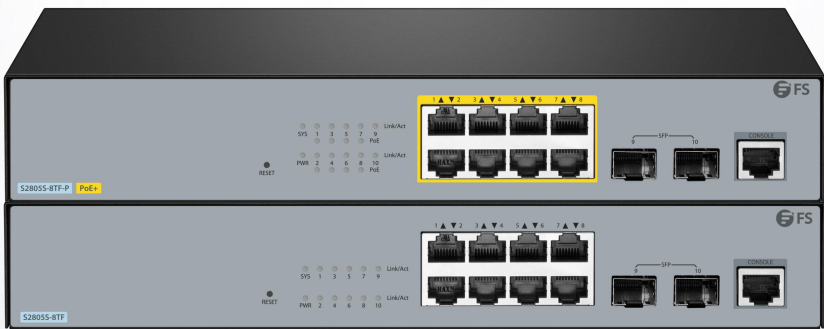**FS**

S2805S Series Switches

GIGABIT SMART MANAGED SWITCHES FOR ESSENTIAL NETWORK NEEDS OF SMB

Models: S2805S-8TF-P; S2805S-8TF

Overview

S2805S series smart-managed switches are new generation designed for high security and high performance network the second layer switch. Provides eight 10/100/1000Mbps self-adaption RJ45 port, and two 100/1000Mbps SFP ports, all ports support wire-speed forwarding, can provide you with larger network flexibility.
All ports support Auto MDI/MDIX function. The Switches with a low-cost, easy-to-use, high performance upgrade your old network to a 1000Mbps Gigabit network.

The new S2805S series smart-managed switches achieve a perfect balance between performance and ease of use. Meet the networking and access requirements of small and medium-sized enterprises, intelligent village, hotel, office network and campus network.

Benefits

• Layer 2 Switch

• CLI/WEB UI/Telnet/SSH Management

• Varied QoS Policies

• Complete Security Polices

• Powerful ACL Functions

• Simple and Easy Network Maintenance

• Comply with IEEE 802.3af/at power supply standard

Key Features

Enterprise-Level Features

S2805S supports a complete lineup of L2 features, including 802.1Q VLAN, port mirroring, STP/RSTP/MSTP, link aggregation control protocol, and 802.3x flow control. Advanced IGMP snooping ensures that the switch intelligently forwards multicast streams only to appropriate subscribers, thereby cutting off unnecessary traffic. At the same time, IGMP throttling and filtering restrict each subscriber at the port level to prevent unauthorized multicasting access. Static routing is a simple way to segment the network and route traffic internally through switches to increase efficiency.

Enhanced QoS

Voice and video traffic can be prioritized based on IP address, MAC address, TCP port number, UDP port number, Etc. With QoS (Quality of Service), voice and video services stay lag-free even when bandwidth is insufficient.

Robust Multicast Control

IGMP snooping prevents the flooding of multicast traffic by dynamically configuring switch ports so that multicast traffic is forwarded to only those associated with an IP multicast receiver. As a result, IGMP increases the performance of networks by reducing multicast traffic flooding.

Reliability and Energy Efficiency

The fanless design of S2805S-8TF ensures noise-less operation and increases the reliability of the system.
The design of the S2805S series switches incorporates high energy efficiency in order to reduce the impact on the environment. In addition, the Green Ethernet power-saving features and fanless design significantly reduce the power consumption.

Network Security

Security features include IP-MAC-Port-VID binding, port security, storm control, and DHCP snooping to defend against a series of network threats. A comprehensive list of common DoS attacks is provided, making it easier than ever to prevent these attacks. In addition, the access control list (ACL, L2 to L4) function restricts access to sensitive network resources by denying data packets based on source and destination MAC addresses, IP addresses, TCP/UDP ports, or VLAN IDs. The user's network access can be controlled through 802.1X authentication, which is used in conjunction with a RADIUS server to grant access only when valid user credentials are provided.

Easy Management and Maintenance

Support many management modes such as the CLI, WEB UI, SNMP. Support FTP,TFTP.
WEB UI management mode is easy and efficient for installing and debugging the device. SNMP smart network management platform. The combination realizes automatic equipment discovery, network topology management, equipment configuration management, performance data statistics and analysis and trouble management.

Technical Specification

S2800S series switches come with advanced hardware architecture design L2+ features. Here's a look at the details.

CHARACTERISTICS

	S2805S-8TF-P	S2805S-8T
Ports		
Ports	8x 10/100/1000BASE-T RJ45 2x 1G SFP	8x 10/100/1000BASE-T RJ45 2x 1G SFP
Auto MDI/MDIX	YES	YES
Operating System		
OS	FSOS	FSOS
Performance		
Layer Type	Layer 2	Layer 2
Switching Capacity	20 Gbps	20 Gbps
Forwarding Rate	14.88 Mpps	14.88 Mpps
Flash Memory	6 MB	6 MB
SDRAM	128 MB	128 MB
Swap Mode	Store-and-Forward	Store-and-Forward
Jumbo Frame	10 K	10 K
MAC address	8 K	8 K
Packet Buffer	4 MB	4 MB
Power		
Max. Power Consumption	163.2 W	7.35 W
Power Supply	AC100-240V, 50/60Hz	AC100-240V, 50/60Hz
PoE Standard	IEEE 802.3af/at	-
PoE Ports	8, up to 30 W	-

CHARACTERISTICS

	S2805S-8TF-P	S2805S-8T
PoE Power Budget	140 W	-

Physical and Environmental

	S2805S-8TF-P	S2805S-8T
Fan	1 Built-in	Fanless
Dimensions (HxWxD)	1.73"x11.02"x7.09" 44*280*180 mm	1.73"x11.02"x7.09" 44*280*180 mm
LEDs	Power, System, Link/Act, 1000M	Power, System, Link/Act, 1000M
Operating Temperature	32°F to 113°F (0ºC to 45ºC)	32°F to 113°F (0ºC to 45ºC)
Storage Temperature	-40°F to 158°F (-40ºC to 70ºC)	-40°F to 158°F (-40ºC to 70ºC)
Operating Humidity	10%-90% (Non-Condensing)	10%-90% (Non-Condensing)

FEATURES

Functionality	Description
System	• IP Configuration(IPV4、IPV6) • User Configuration • Time Settings(SNTP) • Log Management • SNMP Management(V1,V2C,V3) • RMON(1,2,3,9)
Port	• Port Configuration • Link Aggregation(static、Lacp) • Port Mirroring • Jumbo Frame
Vlan	• Port based VLAN • Private VLAN • MAC based VLAN • Voice VLAN • Gvrp • 802.1Q VLAN
IGMP	• IGMP Snooping（V2、V3） • Multicast Group（256）
STP	• IEEE 802.1D STP • IEEE 802.1W RSTP • IEEE 802.1S MSTP
Security	• Broadcast / Uncast / Multicast Storm Control • IEEE 802.1x, Radius,TACACS+, dot1x • DHCP Snooping • DHCP Relay • DHCP Server • ERPS • IP Source Guard • ARP Check • DAI • FTP/TFTP • Preventing DOS attacks
ACL	• MAC-Based ACL • MAC-Based ACE • IPv4-Based ACL • IPv4-Based ACE
QoS	• WRR (Weighted Round Robin) • Port based QoS • IEEE 802.1p Class of Service • DSCP-based QoS • QoS basic mode • QoS advanced mode (Policy based)

FEATURES

Functionality	Description
Bandwidth Control	• Ingress Port • Ingress VLAN • Egress Port • Egress Queue
MAC Address Setting	• Static Mac Setting • MAC Filtering • Dynamic Address Learn/Setting
LLDP	• LLDP Port Configuration • MED Network Porxy
Management	• System information • Ping Test /Traceroute • Factory defualt • Backup/upgrade Management • Configuration Management • HTTP WEB/Telnet/SSH/Console
PoE Management	• POE Status • PoE open/PoE close • The port priority

United Kingdom Russia

Germany

United States

China

Singapore

Australia

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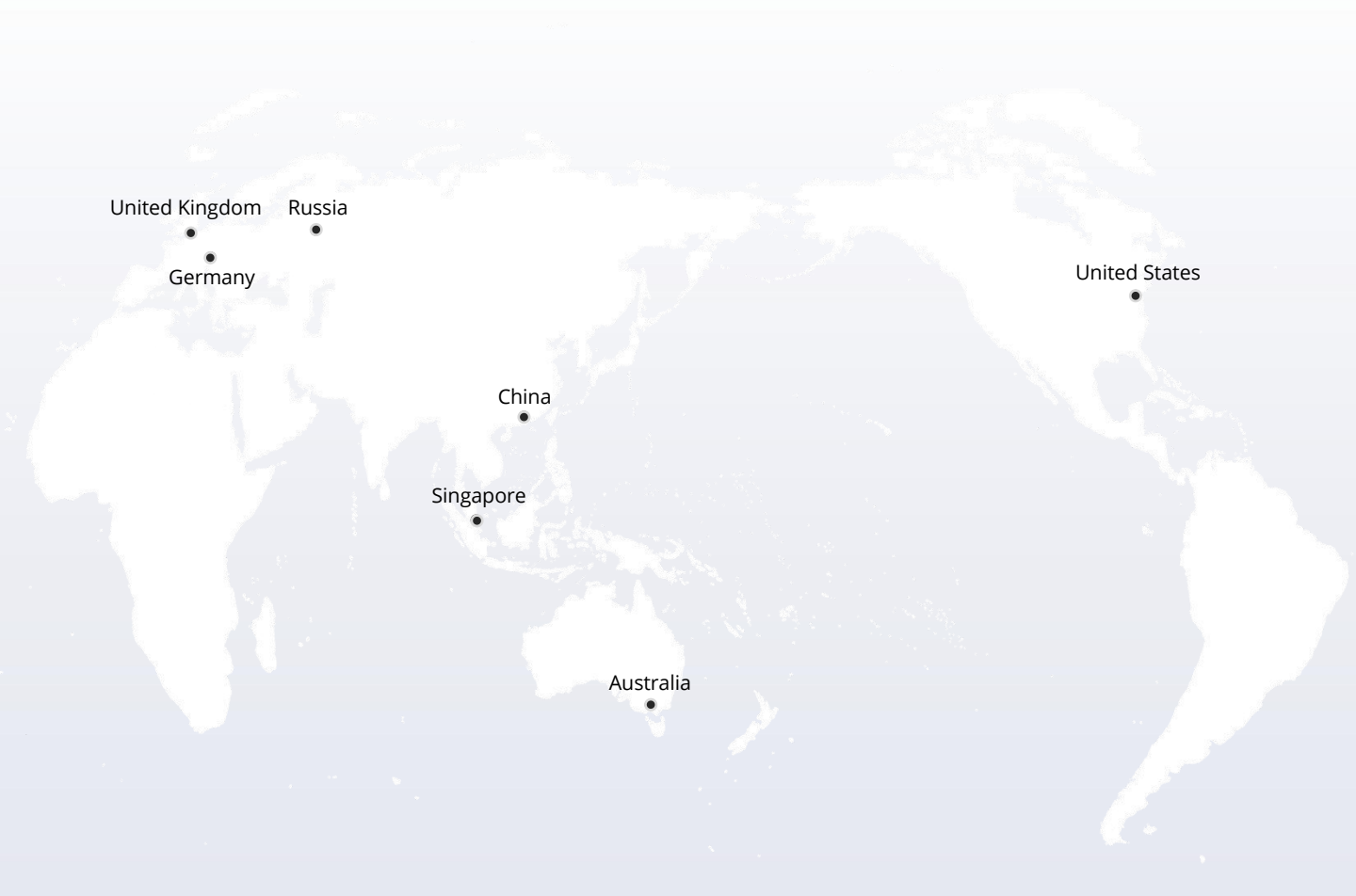
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