

S2918-P

L2 Managed Gigabit Ethernet Switch with PoE Injector



Description

The S2918-P is a new generation Ethernet intelligent access switch. It is mainly deployed on the IP MAN and intranets, meeting requirements the requirements of carrying various Ethernet services and accessing the Ethernet. It also provide the PoE function for powering of wireless LAN (WAN) access points, IP security cameras, VoIP telephone and other low port density installations.

The S2918-P is a case-shaped device with a chassis of 1U high. It provides 14 10/100/1000Base-TX ports and 2 combo ports (10/100/1000Base-T or 1000Base-X). It provides 8/16 PoE Injector.

Features

- Conforms to IEEE802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE802.3af, IEEE802.3at
- Provides 14 10/100/1000 Base-TX ports and 2 combo ports (10/100/1000 Base-T or 1000Base-X)
- Provides 8/16 PoE injector and build in AC power
- High back-plane bandwidth 32Gbps
- Support standard IP/ Extend IP / MAC IP / ARP ACL
- IGMP snooping and IGMP Query mode for Multi-media application
- Port mirror and bandwidth control
- Supports GVRP function

- IEEE802.3x Flow control
- Support Port Based VLAN / 802.1Q Tag VLAN
- Support IEEE802.3ad Port trunk with LACP
- Support Spanning tree protocol IEEE 802.1d
- Supports IEEE 802.1p class of service
- Support IEEE 802.1x user authentication
- Support Broadcast storm filter
- Support DHCP server and client
- Support System event log
- Support command line interface management
- Management by Web/SNMP/Telnet/Console
- Surge protection for power port and data ports
- EMI standards complies with FCC, CE class B

Specifications

Item	Description
Summarize	
Fixed port	14 10/100/1000Base-TX ports. 2 Combo ports (10/100/1000Base-T or 1000Base-X). 1 Console port.
LED Indicators	PWR, PoE, 1000M and Link/Act LED.
Input voltage	100V~240V AC, 50/60Hz
Power consumption	150W/270W (130W/250W for PoE).
Operating temperature	0°C~40°C.
Storage temperature	-10°C~70°C.
Relative humidity	20%~85% (non-condensing).
Thermal methods	Built-in Noiseless FAN.
PoE	
PoE port	8/16 10/100/1000Base-TX ports.
PoE Standard	IEEE802.3af, IEEE802.3at, per port 15.4W (Max 30W per Port).
Pin assignment	V+ (RJ45 Pin 1, 2), V- (RJ45 Pin 3, 6).
PoE management	Support Port-base PoE status view and control.
Layer 2 Switching	
Switching capacity	32G
MAC address table	8K, Support MAC address table management.
MAC Address Binding	Support.
MAC Address Filtering	Support.
MAC Address Learning control	Control number of port-based MAC address learning.
Jumbo Frame	Jumbo packets up to 16379 bytes.

Port Feature	Port Control. Port Isolation. Port Self-loop Detection.
Port Mirroring	Support.
VLAN	4K 802.1q VLANs, Support Ingress filter.
Link Aggregation	Up to 8 maximum aggregation groups, each containing up to 8 GE ports.
Traffic control	IEEE 802.3x full-duplex flow control.
Rate Limit	Unit: 64kbps.
Spanning Tree	IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
Ring Protocol	Support EAPS.
Multicast	Support 256 Multicast groups. Support IGMP Snooping.
Layer 3 Switching	
Static ARP	Support.
Static Routing	Support.
L3 VLAN interface	Up to 32 L3 VLAN Interface.
Convergence	
QoS	4 output queues on each port. Support flexible queue scheduling algorithms: WRR, Q+WRR. Support port-based / MAC-based / 802.1p / DSCP classification.
Security	
ACL	Support Standard IP / Extend IP / MAC IP / ARP Support 512 entries
Security Features	Support MAC-based 802.1X authentication. Support AAA/RADIUS authentication. Support WEB/Telnet password protection. Support Accessing privilege mode password protection.
Self-protection	Support CPU Self-protection.
Management	
CLI	Support CLI (Commend Line Interface) configuration mode.
Console	Support Configuration via the console port.
Telnet	Support Local/remote configuration via Telnet.
WEB	Support WEB management system.
SNMP	Support System configuration with SNMP v1/v2/v3.
User Management	Support Multi-user management.
System Log	Support.
Configuration File Download/Upload	Support Download/Upload configuration File via WEB/TFTP.

Upgrade Firmware	Support Upgrade Firmware via WEB/TFTP/Console.
Debug	
PING	Support.
TRACEROUTE	Support.
Telnet client	Support.
Process View	Support.

Order Information

S2918-8P	16G Managed Gigabit Ethernet Switch with 8 PoE Injector
S2918-16P	16G Managed Gigabit Ethernet Switch with 16 PoE Injector