

Smart Managed Switches

XS-S1920-E Series



Ruijie Networks Co., Ltd.

For further information, please visit our website <https://www.ruijienetworks.com>

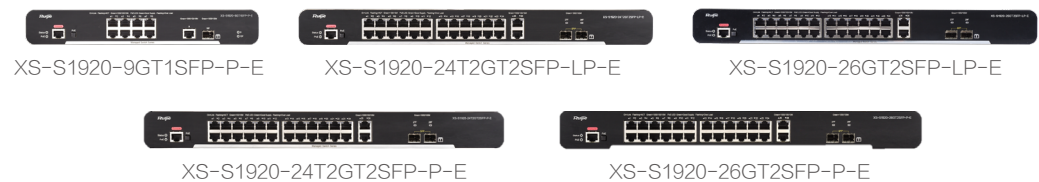
Product Overview

Ruijie XS-S1920-E Series Switches are the next-generation cost-effective smart managed Layer 2 switches for commercial real estate, hotels and CCTV. The series is designed for small and medium-sized businesses looking for easy-to-deploy solution.

Ruijie XS-S1920-E Series is part of the Ruijie SME networking products. The series consists of 5 switches including one 8-port Gigabit PoE+ models, two 24-port Fast Ethernet PoE+ models, and two 24-port Gigabit PoE+ switch models.

These switches can be deployed with plug-and-play out the box. Also they can be fine-tuned with features available from built-in Web-UI as well as command lines(CLI). Features including VLAN, Spanning Tree, IGMP Snooping can be configured.

With Ruijie Cloud, fast deployment, centralized monitoring and remote maintenance can be done in much efficient ways.



Highlights

- Easy management using Ruijie Cloud, Web-UI and command lines
- 24-port 10/100, 8- and 24-port Gigabit models with GT and SFP ports for uplink
- All 8/24 ports are PoE/PoE+ capable
- Multiple PoE power budget choice between 185W and 370W on 24-port models
- 3-Year Warranty Free of Charge

Product Features

Easy Management

● Ruijie Cloud

The XS-S1920-E Series fully supports Ruijie Cloud, which is a cloud-based service that helps user deploy and manage devices and networks.

● Built-in Web Management

Even non-technical users can do easy management for the network through a Web browser and XS-S1920-E' s Web-UI.

● Command Line Interface

With RGOS' s full command line support, complex configuration and troubleshooting can be done as well.

- **SNMP v1/v2c/v3**

Switches can be discovered and monitored from NMS system or other SNMP-based network tools.

- **Network Time Protocol**

Enables synchronization of time among time servers and clients, fulfill the need for clock-dependent devices in the network.

High Performance

- **IGMP Snooping v1/v2/v3**

Instead of flooding traffic to all ports, the switch filters multicast traffic to improve network performance, especially useful for IPTV and CCTV deployment.

- **VLAN Support and Tagging**

Supports IEEE802.1Q VLAN, providing security between device groups.

- **Jumbo Frame Support**

Improves the performance of large data packet transfers, supports frame size up to 9216 Bytes.

Connectivity and Resiliency

- **SFP Ports for Fiber Connectivity**

Provides fiber uplinks on all models. SFP ports are in addition to RJ45 Ethernet ports, providing higher total number of available ports.

- **Power over Ethernet (PoE/PoE+)**

Provides up to 30Watt per port, which allows support of latest PoE+ capable devices such like high-performance access points and IP cameras, as well as any IEEE802.3af(PoE)-compliant powered devices.

For XS-S1920-9GT1SFP-P-E, Ports 1-8 provide PoE/PoE+. For other four 24-port models, Ports 1-24 provide PoE/PoE+.

- **STP, RSTP and MSTP**

Supports IEEE802.1D(STP), IEEE802.1w(RSTP) and IEEE802.1s(MSTP) standards, provides redundant links while preventing network loops.

- **Rapid Link Detection Protocol(RLDP)**

Detect the connectivity of links, and supports the enhanced loop detection function to prevent network faults caused by devices such as Hubs.

- **Energy Efficient Ethernet(EEE)**

Compliant with IEEE802.3az standard requirements in order to save energy.

Warranty and Support

● 3-Year Warranty Free of Charge

Go to <https://www.ruijienetworks.com/support/servicepolicy> to see details on warranty and support policies.

Technical Specifications

Product Model		XS-S1920-9GT1SFP-P-E	XS-S1920-26GT2SFP-P-E	XS-S1920-26GT2SFP-LP-E	XS-S1920-24T2GT2SFP-P-E	XS-S1920-24T2GT2SFP-LP-E
Product Grade		Layer 2 Smart Managed				
Ports	10/100 BASE-T	n/a	n/a	n/a	24	24
	10/100/1000 BASE-T	9	26	26	2	2
	1000M SFP	1	2	2	2	2
	PoE/PoE+ Enabled Ports	8	24	24	24	24
Power over Ethernet	IEEE802.3af (PoE)	✓	✓	✓	✓	✓
	IEEE802.3at (PoE+)	✓	✓	✓	✓	✓
	PoE Power Budget	125W	370W	185W	370W	185W
Physical	Packet Buffer	4.1Mbit				
	CPU Memory	256MB				
	Flash	32MB				
	Dimensions (WxDxH)	300 x 220 x 43.6 mm	440 x 292 x 43.6 mm	440 x 292 x 43.6 mm	440 x 292 x 43.6 mm	440 x 292 x 43.6 mm
	Unit Weight	2kg	4.2kg	4.2kg	4.2kg	4.2kg
Power Supply	Type	Internal				
	Frequency	50/60Hz				
	AC Voltage	100-240V				
	Maximum Power Rating	145W	430W	226W	424W	215W
Cooling		Fanless	Fan	Fan	Fan	Fan
Certifications	Safety	EN 60960-1				
	Emissions	EN 55022, EN55032				
	Immunity Generic	EN 55024				
	ESD	EN 61000-4-2				
	Radiated	EN 61000-4-3				
	EFT/Burst	EN 61000-4-4				

Product Model		XS-S1920-9GT1SFP-P-E	XS-S1920-26GT2SFP-P-E	XS-S1920-26GT2SFP-LP-E	XS-S1920-24T2GT2SFP-P-E	XS-S1920-24T2GT2SFP-LP-E
Certifications	Surge	EN 61000-4-5				
	Conducted	EN 61000-4-6				
	Power frequency magnetic field	EN 61000-4-8				
	Voltage dips and interruptions	EN 61000-4-11				
	Harmonics	EN 61000-3-2				
	Flicker	EN 61000-3-3				
	RoHS	✓				
	EEE	✓				
Operating Temperature		-5 °C ~ 55 °C				
Storage Temperature		-40 °C ~ 70 °C				
Operating Humidity		10%~90% RH				
Storage Humidity		5%~95% RH				
Operating Altitude		-50m ~ 5000m				
Warranty		3-Year Warranty Free of Charge				
Package Contents		Ruijie XS-S1920-E Series Switch Power Cord Mounting Kit Quick Start Guide				
Performance	Switching Capacity	20Gbps	56Gbps	56Gbps	12.8Gbps	12.8Gbps
	Forwarding Rate	15Mpps	42Mpps	42Mpps	9.6Mpps	9.6Mpps
L2 Switching	MAC Table Size	8K				
	STP	✓				
	RSTP	✓				
	MSTP	✓(63 instances)				
	Port Grouping	LACP				
	VLAN	IEEE802.1Q				
	GVRP	✓				
	IGMP Snooping	✓(v1/v2/v3)				
	Jumbo Frame	9KB				
	G.8032/ERPS	n/a				
L3	IPv4 Routing	✓(Static/RIP in future release)				
	IPv6 Routing	✓(Static/RIPng in future release)				
	DHCP Server	n/a				
	DHCP Relay	✓				

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Security	CPP	✓				
	NFPP	n/a				
	SSH	✓(SSH in future release)				
	SSL	✓(SSL in future release)				
	IEEE802.1X	n/a				
	Port Security	n/a				
	Radius	n/a				
	ACL	n/a				
QoS	Priority Levels	n/a				
	Scheduling	n/a				
	Class of Service	n/a				
	Rate Limit	n/a				
Management	Web User Interface	✓				
	HTTP/HTTPS	✓ (HTTPS in future release)				
	Ruijie Cloud Management RG-SNC	✓				
	Management Command Line Interface	✓(Telnet/Console)				
	SNMP	✓				
	SYSLOG	✓				
	NTP	✓(NTP Client)				
	Public MIBs	✓				
	Private MIBs	✓				
	RMON	✓(1/2/3/9)				
	Firmware Upgrade	✓				
	Port Mirroring	✓				

Ordering Information

Model	Description
XS-S1920-24T2GT2SFP-P-E	Smart Managed Switch, 24 10/100BASE-T ports, 2 10/100/1000BASE-T ports, 2 1000M SFP ports, AC power supply, support PoE/ PoE+, PoE power budget: 370W
XS-S1920-24T2GT2SFP-LP-E	Smart Managed Switch, 24 10/100BASE-T ports, 2 10/100/1000BASE-T ports, 2 1000M SFP ports, AC power supply, support PoE/ PoE+, PoE power budget: 185W
XS-S1920-26GT2SFP-P-E	Smart Managed Switch, 26 10/100/1000BASE-T ports, 2 1000M SFP ports, AC power supply, support PoE/ PoE+, PoE power budget: 370W
XS-S1920-26GT2SFP-LP-E	Smart Managed Switch, 26 10/100/1000BASE-T ports, 2 1000M SFP ports, AC power supply, support PoE/ PoE+, PoE power budget: 185W
XS-S1920-9GT1SFP-P-E	Smart Managed Switch, 9 10/100/1000BASE-T ports, 1 1000M SFP ports, AC power supply, support PoE/ PoE+, PoE power budget: 125W

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