Smart Managed Switches

XS-S1920-E and RG-S1920 Series

Ruijie Networks Co., Ltd.

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

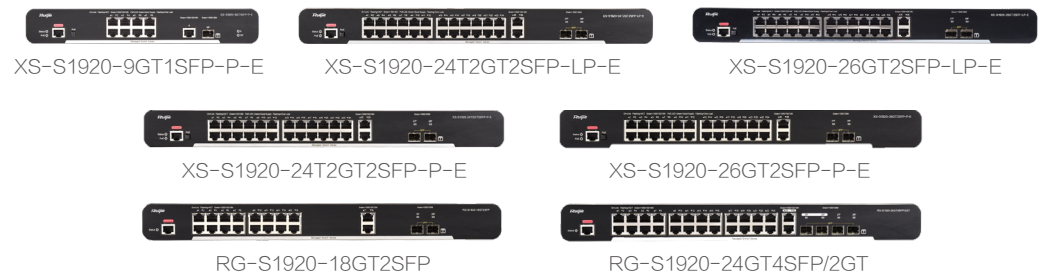**INNOVATION**
Beyond Networks

Ruijie

Product Overview

Ruijie XS-S1920-E/RG-S1920 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 S1920 Series is part of the Ruijie SME networking products. The series consists of 7 switches including one 8-port Gigabit PoE+ models, one 16-port Gigabit model, one 24-port Gigabit model, 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 more efficient ways. Using Smart+ features for CCTV, configurations for IP cameras can be done automatically on PoE models, lots of man power and time saved on site.

XS-S1920-9GT1SFP-P-E XS-S1920-24T2GT2SFP-LP-E XS-S1920-26GT2SFP-LP-E

XS-S1920-24T2GT2SFP-P-E XS-S1920-26GT2SFP-P-E

RG-S1920-18GT2SFP RG-S1920-24GT4SFP/2GT

Highlights

- Efficient management using Ruijie Cloud, Web-UI and command lines
- 24-port 10/100, 8-, 16- and 24-port Gigabit models with GT and SFP ports for uplink
- All 8/24 ports are PoE/PoE+ capable on PoE models
- Extra surge protection of 8KV on PoE models and 10KV on non-PoE models
- Wide operating temperature from -5℃ to 55℃
- Unique Smart+ features including Auto Smart Deployment and Remote Reboot Helper guarantee the experience on CCTV networks

Product Features

Easy Management

● **Ruijie Cloud Web and App**

The S1920 Series fully supports Ruijie Cloud, which is a cloud-based service that helps user deploy and manage devices and networks. Now using Ruijie Cloud mobile app, monitoring and simple maintenance job for switch can be done remotely on a cellphone. More professional operations can be done on Ruijie Cloud Website.

● **Built-in Web Management**

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

Unique Smart+ Features for CCTV

● **Auto Smart Deployment**

IP cameras and NVRs will be identified by switch, and configurations like MTU, flow-control and port isolations will be deployed automatically.

● **Remote Reboot Helper**

With the help of Ruijie Cloud or switch's Web-UI, PoE IP cameras can be reboot without unplugging the wire on site.

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+)**

5 PoE models provide 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 PoE 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)**

RLDP detects 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.

Techincal 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	RG-S1920-18GT2SFP	RG-S1920-24GT4SFP/2GT
Ports	10/100 BASE-T	n/a	n/a	n/a	24	24	n/a	n/a
	10/100/1000 BASE-T	9	26	26	2	2	18	26
	1000M SFP	1	2	2	2	2	2	4 (with 2 combo)
Power over Ethernet	PoE	✓	✓	✓	✓	✓	n/a	n/a
	PoE/PoE+ Enabled Ports	8	24	24	24	24	n/a	n/a
	IEEE802.3af (PoE)	✓	✓	✓	✓	✓	n/a	n/a
	IEEE802.3at (PoE+)	✓	✓	✓	✓	✓	n/a	n/a
	PoE Power Budget	125W	370W	185W	370W	185W	n/a	n/a
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	440 x 189 x 43.6 mm	440 x 189 x 43.6 mm
	Surge Protection	8KV	8KV	8KV	8KV	8KV	10KV	10KV
	Unit Weight	2kg	4.2kg	4.2kg	4.2kg	4.2kg	2.4kg	2.4kg
Power Supply	Type	Internal						
	Frequency	50/60Hz						
	AC Voltage	100-240V						
	Maximum Power Rating	145W	430W	226W	424W	215W	17W	22W
Cooling		Fanless	Fan	Fan	Fan	Fan	Fanless	Fanless
Certifications	Safety	EN 60950-1					EN 62368-1	
	EMC	EN 300 386						
	Emissions	EN 55032, EN55035						
	ESD	EN 61000-4-2						
	Radiated	EN 61000-4-3						
	EFT/Burst	EN 61000-4-4						
	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		✓						

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	RG-S1920-18GT2SFP	RG-S1920-24GT4SFP/2GT
EEE		✓						
Operating Temperature		−5 ℃ ~ 55 ℃						
Storage Temperature		−40 ℃ ~ 70 ℃						
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/RG-S1920 Series Switch Power Cord Mounting Kit Quick Start Guide						
Performance	Switching Capacity	20Gbps	56Gbps	56Gbps	12.8Gbps	12.8Gbps	40Gbps	56Gbps
	Forwarding Rate	15Mpps	42Mpps	42Mpps	9.6Mpps	9.6Mpps	30Mpps	42Mpps
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						
L3	IPv4 Routing	Static/RIP (in future release)						
	IPv6 Routing	Static/RIPng (in future release)						
	DHCP Client	✓						
Security	CPP	✓						
	SSH	✓						
	SSL	✓						
	Storm Suppression	✓						
	Port Protection	✓						
	ACL	✓						
Reliability	RLDP	✓						
	DLDP	✓						

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	RG-S1920-18GT2SFP	RG-S1920-24GT4SFP/2GT
Management	Web User Interface	✓						
	HTTP/HTTPS	✓						
	Ruijie Cloud Management	✓						
	RG-SNC Management	✓						
	Command Line Interface	✓(Telnet/Console)						
	SNMP	✓						
	Smart+ for CCTV	✓(Auto Smart Deployment/Remote Reboot Helper)					n/a	
	SYSLOG	✓						
	NTP	✓						
	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
RG-S1920-18GT2SFP	Smart Managed Switch, 18 10/100/1000BASE-T ports, 2 1000M SFP ports, AC power supply
RG-S1920-24GT4SFP/2GT	Smart Managed Switch, 24 10/100/1000BASE-T ports, 4 1000M SFP ports (With 2 combo ports), AC power supply

Ruijie Networks Co., Ltd.