XS-S1920-E Series

Smart Managed Switches

Key Features

- Easy management using Web-UI and Ruijie Cloud
- 24-port 10/100, 8- and 24-port Gigabit models include SFP ports
- PoE+ support on all models
- 24-port with 185W PoE power budget for cost-effectiveness
- 3-Year Warranty Free of Charge

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 three switches including 24-port Fast Ethernet PoE+ switch, 8- and 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. 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.

Features and Benefits

Easy Management

- 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.

- 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.

- Ruijie Cloud

The XS-S1920-E Series fully supports Ruijie Cloud, which is a cloud-based service that help user manage and control devices and networks. It can monitor the network and configure or remote control devices.

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 9KB.

Connectivity and Resiliency

- 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.

- 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.

- IEEE802.3at Power over Ethernet(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-compliant powered devices.

- 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-E	XS-S1920-26GT2SFP-LP-E	XS-S1920-24T2GT2SFP-LP-E
Ports	10/100BASE-T	/	/	24
	10/100/1000BASE-T	9	26	2
	1000M SFP	1	2	2
Power over Ethernet	PoE	•	•	•
	PoE Enabled Ports	8	24	24
	IEEE802.3af	•	•	•
	IEEE802.3at	•	•	•
	PoE Power Budget	125W	185W	185W
Physical	Packet Buffer	4.1Mbit	4.1Mbit	4.1Mbit
	CPU Memory	256MB	256MB	256MB
	Flash	32MB	32MB	32MB
	Dimensions(WxDxH)	260x120x43.6mm	440x292x43.6mm	440x292x43.6mm
	Unit Weight	1.2kg	4.2kg	4.2kg
Power Supply	Type	Internal	Internal	Internal
	Frequency	50/60Hz		
	AC Voltage	100~240V		
	Maximum Power Rating	145W	226W	226W
Cooling		Fan-less	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		
	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 ℃ ~ 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 Series Switch Power Cord Mounting Kit Quick Start Guide		
Performance	**Switching Capacity**	20Gbps	56Gbps	12.8Gbps
	Forwarding Rate	15Mpps	42Mpps	9.6Mpps
L2 Switching	**MAC Table Size**	8K	8K	8K
	STP	•		
	RSTP	•		
	MSTP	•(63 instances)		
	Port Grouping	•(LACP)		
	VLAN	•(Port-based)		
	GVRP	/		
	IGMP Snooping	•(v1/v2/v3)		
	Jumbo Frame	•(9KB)		
	G.8032/ERPS	/		
L3	**IPv4 Routing**	•(Static/RIP in future release)		
	IPv6 Routing	•(Static/RIPng in future release)		
	DHCP	• (DHCP Client)		
Security	**CPP**	•		
	NFPP	/		
	SSH	•(SSL in future release)		
	SSL	•(SSL in future release)		
	IEEE802.1X	/		
	Protected Port	•		
	DHCP Snooping	•		
	ACL	/		
QoS	**Priority Levels**	/		
	Scheduling	/		
	Class of Service	/		
	Rate Limit	/		
Management	**Web User Interface**	•		
	HTTP/HTTPS	• (HTTPS in future release)		
	Ruijie Cloud Management	•		
	RG-SNC Management	•		
	Command Line	•(Telnet/Console)		

	Interface	
	SNMP	•
	CWMP(TR-069)	•
	SYSLOG	•
	NTP	• (NTP Client)
	Public MIBs	/
	Private MIBs	/
	RMON	/
	Firmware Upgrade	•
	Port Mirroring	/

Ordering Information

Model	Description
XS-S1920-24T2GT2SFP-LP-E	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-LP-E	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	9 10/100/1000BASE-T ports, 1 1000M SFP ports, AC power supply, support PoE/ PoE+, PoE power budget: 125W