

# Sundray RS3320-28M-4MT-PWR-LI

## Introduction

Sundray RS3320-28M-4MT-PWR-LI product is Sundray independent research and development of the next generation of Smart POE switches. The next-generation smart switch adopts a new system architecture design. It can be managed on-line on the wireless AC in the same way as the thin AP mode. The plug-and-play smart-switch next-generation smart switch can automatically discover the wireless AC in multiple ways. Through the wireless AC, the switch can be configured and managed, including port information, VLAN, and port opening and closing. Visual status can be checked through the wireless AC, including switch load, port forwarding load, online and offline switch status, and port open/close status. It also has more secure features than traditional switches, and it can be linked with wireless networks and security devices to implement more secure network management and control.

Sundray next-generation Smart switch RS3320-28M-4MT-PWR-LI provides 20 10/100/1000Base-T POE ports, 4 1G/2.5G POE ports, 4 SFP ports. Support IEEE 802.3af/at/bt power supply standard, single port maximum output PoE power 60W, the whole machine maximum output PoE power 400. RS3300 series switches are in the leading position among similar products, can meet the networking requirements of large-scale networks, and possess rich intelligence and security features. They are particularly suitable as access devices for large campus networks, enterprise networks, and IP metropolitan area networks.



RS3320-28M-4MT-PWR-LI



## Specification

RS3320-28M-4MT-PWR-LI

Specification	
Item	RS3320-28M-4MT-PWR-LI
Dimensions (mm)	440mm×300mm×44mm
Weight	4.45KG
Default Ports	20*10/100/1000Base-T POE ports 4*1G/2.5G POE ports, 4*SFP ports
Management Ports	1*Console 1*Manage
Power	Support IEEE 802.3af/at/bt power supply standard Single port maximum 60W, totally maximum 400W
Reset	Support
Working Layer	L2 & L3
Work temperature Operating/storage humidity	Work temperature : -5 ℃ ~ 50 ℃ Storage temperature: -40 ℃ ~ 70 ℃ Work humidity: 5% ~ 90% RH Storage humidity: 5% ~ 95% RH
Switch capacity	336Gbps/3.36Tbps
Package forwarding rate	108Mpps/126Mpps
Access	Support the integration of fat and thin, support intelligent switch and common switch two working modes, according to different networking needs, flexible at any time to switch
Switch zero configuration on-line mode	Layer 2 broadcast automatically discovers wireless AC Configure Static IP Address Layer 3 to discover wireless ACs DHCP Option 43 Discovers Wireless AC DNS Domain Name Discovery Wireless AC
Remote management	Support across WAN, NAT remote management intelligent switch



One-click replacement	Replace the faulty device with a one-click in controller
STP	<p>Support RRPP Ring Topology and RRPP Multiple Instances</p> <p>Support MSTP, MRPP, ERPS and so on</p> <p>Support ERPS Ethernet Ring Protection Protocol (G.8032)</p> <p>Support MSTP (IEEE 802.1s) protocol</p> <p>Support BPDU protection, root protection and loopback protection</p> <p>Support BPDU Tunnel</p>
ACL	<p>Support Standard IP ACL (IP Address Based Hardware ACL)</p> <p>Support extended IP ACL (hardware ACL based on IP address, TCP/UDP port number)</p> <p>Support MAC extended ACL (hardware ACL based on source MAC address, destination MAC address, and optional Ethernet type)</p> <p>Support based on time ACL</p> <p>Support expert ACL (a hardware ACL that can be flexibly combined based on the VLAN number, Ethernet type, MAC address, IP address, TCP/UDP port number, protocol type, and time)</p>
802.1x	<p>Support 802.1X authentication</p> <p>Supports port-based authentication and MAC-based authentication</p> <p>Support Guest VLAN</p> <p>Support TRUNK port authentication</p> <p>Supports dynamic delivery of VLANs based on 802.1x</p>
QOS	<p>Support port traffic identification</p> <p>Supports port traffic rate limit</p> <p>Support 802.1p / DSCP / TOS traffic classification</p> <p>8 priority queues per port</p> <p>Support SP, WRR, SP + WRR, RED / WRED queue scheduling</p>
Multicast	<p>Supports IGMP v1/v2/v3 Snooping and fast leave</p> <p>Support multicast forwarding and multicast multi-VLAN replication in a VLAN</p> <p>Multicast load balancing on bundled ports</p> <p>Support controllable multicast</p> <p>Support port-based multicast traffic statistics</p> <p>Multicast entry <math>\geq 512</math></p>



VLAN	<p>Support 4K VLAN</p> <p>Voice VLAN support</p> <p>Support GVRP agreement</p> <p>Support Private VLAN function</p> <p>Support MAC / protocol / IP subnet / policy / port based VLAN</p> <p>Supports 1: 1 and N: 1 VLAN Mapping features</p>
High available	<p>Support VRRP、 BFD for VRRP</p> <p>Support BFD for RIP/OSPF/Static route/policy route</p> <p>Support Smartlink (backup link)</p> <p>Support Monitor-link</p>
EEE	<p>Support IEEE 802.3az standard EEE energy-saving technology: When EEE is enabled, the power consumption of the port at this stage is greatly reduced, achieving energy saving.</p>
MAC	<p>Support 16K MAC address table</p> <p>Support MAC address automatic learning</p> <p>Support source MAC address filtering</p> <p>Support interface MAC address learning limit</p>
Port aggregation	<p>Supports 12 groups of aggregation groups with a maximum of 8 ports per group</p> <p>Support manual and static LACP</p>
Binding	<p>Support IP-MAC-PORT-VLAN, support 2K item</p>
DHCP	<p>Support DHCP Server, DHCP relay, DHCP snooping</p>
M-LAG	<p>Support M-LAG, Cross-device link aggregation</p>
Port mirroring	<p>Supports port-based bidirectional mirroring</p>
Flow control	<p>Support ACL</p> <p>Support QOS</p>
Access security	<p>Support DHCP Relay, DHCP server</p> <p>Support DHCP snooping</p> <p>Support Portal authentication</p> <p>Support 802.1X authentication</p>
IPv4 routing	<p>Support static IPv4 routing</p> <p>Support RIPv1/2 OSPF</p>



	Support Policy-based Routing
IPv6 routing	Support IPv6 static routing
Security feature	<p>Support anti-gateway ARP spoofing</p> <p>Filtering illegal MAC addresses</p> <p>Support ARP-Check</p> <p>Support ARP packet rate limiting</p> <p>Support for broadcast storm suppression</p> <p>Administrator hierarchical management</p> <p>Support SSH 2.0</p> <p>Support IP SOURCE GUARD</p> <p>Support port protection, isolation</p> <p>Support for preventing DOS and ARP attacks</p> <p>Support CPU protection</p> <p>Support edge security policy</p>
Network management	<p>Support remote management through APP, and can modify switch network configuration</p> <p>Support remote management of intelligent switches across WAN and NAT</p> <p>Support SNMP V1/V2/V3</p> <p>Support Webpage configuration</p> <p>CLI (Telnet/Console), SSH</p> <p>Wireless AC unified management</p>
Switch portrait	<p>Supports visual management of the switch through the web page of the controller, including port status and configuration of the switch, and vlan information.</p> <p>Supports the power on and off the switch port through graphical operation of the controller</p>
Visuality	Visualize traffic and terminal status, portray for security and devices
Safety & EMC	FCC、 CE: EN55022, EN61000-3-2, EN61000-3-3, EN55024, EN60950-1、 RoHS

## Order information

Sundray Next Generation Smart Switch Series		
Model	Specifications	Remarks
RS3320-28M-4MT-PWR-LI	Next generation smart Gigabit POE switch, support unified/centralized management, status check and VLAN configuration by controller	Essential
OM-SFP-Gigabit-Multimode	Multimode fiber optical modules of the Gigabit SFP is 550m;	Optional
OM-SFP-Gigabit-Single-mode-10	Single-mode fiber optical module of the Gigabit SFP is 10 km;	Optional
OM-SFP-Gigabit-Single-mode-20	Single-mode fiber optical module of the Gigabit SFP is 20 km;	Optional
OM-SFP-Gigabit-Single-mode-40	Single-mode fiber optical module of the Gigabit SFP is 40 km;	Optional
OM-SFP-Gigabit-Single-mode-80	Single-mode fiber optical module of the Gigabit SFP is 80 km;	Optional



Sundray Technologies Co, Ltd.

Address: Building A1, i Park, No.1001 Xueyuan Road, Nanshan District, Shenzhen, Guangdong Province, P. R. China Post.

Post Code: 518055

[www.sangfor.com](http://www.sangfor.com)

[www.sundray.com](http://www.sundray.com)

E-mail: [liaohaibo@sundray.com](mailto:liaohaibo@sundray.com)

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