

Sundray RS3320-12&28M-PWR-LI

Introduction

Sundray RS3320-12M-PWR-LI & RS3320-28M-PWR-LI product are the next-generation intelligent switch independently developed by Sundray. The intelligent switch adopts a new system architecture design, which can be configured on the wireless AC with zero configuration on-line as in the thin AP mode, enabling plug-and-play of intelligent switches. Sundray Smart Switch can automatically discover NAC in a variety of ways. The switch can be configured and managed through the NAC, including Ethernet port information and VLAN. Visual status can be viewed through the NAC, including switch load, port forwarding load, switch online offline status and port status. It has more security features than traditional switches, and can be linked with wireless networks and security devices for more secure network management.

Sundray next-generation intelligent switch:

- RS3320-12M-PWR-LI provides 8 ports (8 10/100/1000Base-T POE ports, 4 1G/2.5G SFP ports). Support IEEE 802.3af/at power supply standard, single port maximum output PoE power 30W, the whole machine maximum output PoE power 135W.
- RS3320-28M-PWR-LI provides 28 ports (24 10/100/1000Base-T POE ports, 4 1G SFP optical ports). Support IEEE 802.3af/at power supply standard, single port maximum output PoE power 30W, the whole machine maximum output PoE power 370W.

The RS3300 series switches meet the networking requirements of large-scale networks and have rich intelligence and security features. They are especially suitable as access devices for large campus networks, enterprise networks, and IP metropolitan area networks.



RS3320-12M-PWR-LI



RS3320-28M-PWR-LI



Specification

RS3320-12M-PWR-LI

RS3320-28M-PWR-LI

Specification

Item	RS3320-12M-PWR-LI	RS3320-28M-PWR-LI
Dimensions (mm)	280mm×180mm×44mm	440mm×330mm×44.5mm
Weight	1.6KG	5.35Kg
Default Ports	8*10/100/1000Base-T POE ports 4*1G/2.5G SFP	24*10/100/1000Base-T POE ports 4*SFP
Management Ports	1*Console	1*Console
Power	Single port maximum 30W, totally maximum 135W	Single port maximum 30W, totally maximum 370W
Reset	Support	
Working Layer	L2 & L3	
Work temperature Operating/storage humidity	Work temperature : -5 ℃ ~ 50 ℃ Storage temperature: -40 ℃ ~ 70 ℃ Work humidity: 5% ~ 90% RH	
Switch capacity	256Gbps/2.56Tbps	336Gbps/3.36Tbps
Package forwarding rate	27Mpps/102Mpps	96Mpps/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>



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>Support port aggregation.</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
RS3320-12M-PWR-LI	Next generation smart Gigabit POE switch, support unified/centralized management, status check and VLAN configuration by controller	Essential
RS3320-28M-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

www.sundray.com

E-mail: liao haibo@sundray.com

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