

# Sundray RS3300-28&52T-4F

## Introduction

The Sundray RS3300-28T-4F & RS3300-52T-4F product are next-generation intelligent switch independently developed by Sundray. The next-generation intelligent switch with a new system architecture design, the same with the thin AP mode on the wireless AC zero configuration on-line management, intelligent switch plug and play. Sundray's next-generation smart switches can automatically discover wireless ACs in multiple ways. Through the wireless AC, the switches can be configured and managed, including port information, VLANs, and ports on and off. Visual status can be checked through wireless ACs, including switch loads, port forwarding load, switch online and offline status, port open and close state, etc.; also has more security features than traditional switches, and can be linked with wireless networks and security devices to achieve a more secure network management and control.

Sundray's next-generation intelligent switch:

- RS3300-28T-4F provides 28 fixed ports (24 10/100/1000Base-T fixed ports and 4 Gigabit SFP optical ports).
- RS3300-52T-4F provides 52 fixed ports (48 10/100/1000Base-T fixed ports and 4 Gigabit SFP optical ports).

RS3300 series switches are in the leading position among similar products and can meet the networking requirements of large-scale networks. They also have rich intelligence and security features. They are particularly suitable for access devices of large campus networks, enterprise networks, and IP metropolitan area networks.



RS3300-28T-4F



RS3300-52T-4F

## Specification

**RS3300-28T-4F**

**RS3300-52T-4F**

Specification		
Item	RS3300-28T-4F	RS3300-52T-4F
Dimensions	442mm×220mm×44mm	442mm×280mm×44mm
Weight	< 3Kg	< 4Kg
Default ports	24*10/100/1000Base-T 4*SFP 1*MANAGE	48*10/100/1000Base-T 4*SFP 1*MANAGE
Management port	1*Console	1*Console
Working Layer	L2 & L3	
Reset	Support	
Power	AC: 90 ~ 264VAC, 47 ~ 63Hz	
Power consumption	≤20W	≤60W
Work temperature Operating/storage humidity	Work temperature : -5 ℃ ~ 45 ℃ Storage temperature : -20 ℃ ~ 70 ℃ Work humidity: 5% ~ 95% RH Storage humidity: 5% ~ 95% RH	
LED	PWR indicator, network port indicator, and system indicator	
Switch capacity	256Gbps	256Gbps
Packet forwarding rate	96 Mpps	132 Mpps
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 online	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
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>Extended IP ACL support (hardware ACL based on IP address, TCP / UDP port number)</p> <p>Supports MAC Extension ACL (Hardware ACL based on source MAC address, destination MAC address, and optional Ethernet type)</p> <p>Support based on time ACL</p> <p>Supports expert ACL (hardware ACL based on flexible combination of VLAN ID, 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>



	Support port-based multicast traffic statistics	
VLAN	Support 4K VLAN Voice VLAN support Support GVRP agreement Support Private VLAN function Support MAC / protocol / IP subnet / policy / port based VLAN Supports 1: 1 and N: 1 VLAN Mapping features	
EEE	EEE energy-saving technology that supports the IEEE 802.3az standard: When the EEE is enabled, the power consumption of the port at this stage is drastically reduced, thereby saving energy.	
MAC	Supports 16K MAC address Support MAC address auto-learning and aging Support static, dynamic, blackhole MAC entries Supports source MAC address filtering Limit the number of MAC address learning interfaces	
Port mirroring	Supports port-based bidirectional mirroring	
Port aggregation	Supports 128 groups of aggregation groups with a maximum of 8 ports per group Support manual and static LACP	Supports 256 groups of aggregation groups with a maximum of 16 ports per group Support manual and static LACP
Binding	Support IP-MAC-PORT-VLAN, support 2K	Support IP-MAC-PORT-VLAN, support 4K
Reliability	Support VRRP、 BFD for VRRP Support BFD for RIP/OSPF/Static routing/Policy-based Routing Support Smart-link Support Monitor-link	
IPv4 routing	Support static IPv4 routing Support RIPv1/2 OSPF Support Policy-based Routing	
IPv6 routing	Support IPv6 static routing	
Security features	Filtering illegal MAC addresses Support ARP-Check	

	<p>Support ARP packet rate limiting</p> <p>Support anti-gateway ARP spoofing</p> <p>Support for broadcast storm suppression</p> <p>Administrator level management and password protection</p> <p>Support IP SOURCE GUARD</p> <p>Support port protection</p> <p>Support to prevent DOS, ARP attack function</p> <p>Support port isolation</p> <p>Support CPU protection</p> <p>Support blacklist and whitelist</p>
Visuality	Visualize traffic and terminal status, portray for security and devices. visual management of the switch through the web page of the controller.
Lightning	Service port lightning protection capability: 6KV
NMS	Wireless AC unified management SNMPv1/v2C/v3, CLI (Telnet/Console), SSH, Web
Safety & EMC	Meets FCC, CE: EN55022, EN61000-3-2, EN61000-3-3, EN55024, EN60950-1, RoHS and other safety standards

## Order Information

Sundray Next Generation Smart Switch Series		
Item	Specification	Remark
RS3300-28T-4F	Support full port line rate forwarding; Support NAC unified management.	Essential
RS3300-52T-4F	Support full port line rate forwarding; Support NAC unified management.	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



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Documentation version: 20150701-V2.6

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