RS1024K-P48-4S-10G-M

L2/3 MANAGED POE SWITCH



- IEEE 802.3af/at PoE support
- Unmanaged plug-and-play design
- 48-Port Gigabit PoE Access Network
- Equipped with 48×10/100/1000Mbps PoE RJ45 ports, supporting IEEE 802.3af/at standards with up to 30W power output per port, providing reliable power and data transmission for IP cameras, wireless APs and other PoE devices.
- High-Speed 10G SFP+ Uplink
- Features 4×1G/10G SFP+ uplink ports for high-bandwidth backbone connection, enabling flexible fiber expansion for enterprise networks, surveillance systems and aggregation applications.
- Powerful L3 Managed Functions
- Supports Layer 3 routing including IPv4/IPv6 routing, VLAN, QoS, ACL, DHCP, multicast management, STP/RSTP/MSTP and LACP for professional network management.
- 256Gbps High Performance Switching
- Provides 256Gbps switching capacity and 160.71Mpps packet forwarding rate with 32K MAC address table, ensuring stable transmission in high-density network environments.
- Enterprise PoE Solution with OEM/ODM Support

Built-in AC power supply with up to 600W PoE budget and 19-inch rack-mount design. Suitable for enterprise networks, security surveillance, campuses, hotels and smart building projects.

Product name	48 GE +4*10G SFP+ L3 Managed PoE Switch
Model	NF1024K-P48-4S-10G-M3
Fixed Port	48*10/100/1000Mbps Base-TX PoE 4*100/1000/2500/10000Mbps SFP+ 1×Console port 1× Reset key
PoE Specifications	Ports 1–48 support IEEE 802.3af/at Max 30W per port PoE pinout: 1/2V+ 3/6V- PoE power budget: 600W
Hardware Specs	CPU: MIPS-34Kc dual-core 1GHz DDR: 4GB DDR3

	Flash: 512MB RAM: 512MB
Switching Performance	Switching capacity: 256Gbps Packet forwarding rate: 160.71Mpps MAC address table: 32K Packet buffer: 16Mbit SRAM Jumbo frame: Up to 12KB
L2 Features	4K 802.1Q VLAN, Port-based VLAN, Voice VLAN, VXLANSTP/RSTP/MSTP, 802.1X Port aggregation: 128 trunks, up to 8 ports/group Many-to-one port mirroring Loop guard: auto-detect, alarm, block & recoveryPort isolation Flow control: backpressure & PAUSE frame Port-based bandwidth limiting
Multicast	IGMPv1/2/3 Snooping MLDv1/2 Snooping GMRP, multicast VLAN, static multicast
L3 Routing	IPv4: 12K routes IPv6: 12K routes
QoS	8 priority queues
Transmission Distance	10BASE-T: ≤250m 100BASE-TX: ≤150m 1000BASE-T: ≤150m SFP+ module: up to 120km
Power	Built-in AC 100–240V, 50/60Hz, max 625W
Environment	Operating: -10~+55°C, 5%–90% RH Storage: -40~+75°C, 5%–95% RH
Dimensions	Product: 440×335×45mm Package: 553×403×93mm
Weight	5.5 / 6.1kg
Installation	19-inch rackmount (with brackets)