

RB-2402M-PSE



OVERVIEW

RB-2402M-PSE switch has L2+ network management functions, supporting IPV4 static route forwarding, together with a complete security protection mechanism. Switch supports ACL/QoS policies and rich VLAN functions, being easy to manage and maintain. It also supports multiple network redundancy protocols such as STP/RSTP/MSTP (<50ms) and ERPS ring network (convergence time<20ms), improving link backup and network reliability and ensuring uninterrupted data transport for critical applications.

Switch offers efficient routing address management, port management, port flow control, VLANs, IGMP, security policies and other service configurations. Management can be performed through Web, CLI, SNMP, Telnet and other network management methods. Casing is made of steel alloy, with excellent EMI and mechanical and thermal resistance, allowing low power consumption and a fanless design. Model is suitable for SMB and entry level Enterprise networks for its reliability, power efficiency overall affordable costs.

FEATURES

High-Speed Connectivity

24x10/100/1000M RJ45, 2x1G SFP

Auto MDI/MDIX Support

Automatically detects and configures the connection type, simplifying installation and reducing configuration errors.

Integrated Status Monitoring

Integrated indicator lights provide real-time monitoring of the operating status, assisting in quick fault analysis and troubleshooting.

Security

802.1X authentication
Port isolation, storm control
IP-MAC-VLAN-Port binding.

Reliability

CE, FCC, RoHS certifications

Low power consumption

Management

Web management, CLI command line (Console, Telnet), SNMP (V1/V2/V3).

SPECIFICATIONS

RB-2402M-PSE	
Fixed Port	24x10/100/1000M RJ45 port (data/power) 2x100/1000M SFP
PoE Port	1-2 ports support IEEE802.3af/at/bt, MAX 90W/port 3-24 ports support IEEE802.3af/at, MAX 30W/port
Console port	1x console port
Reset Key	1
Network Protocol	IEEE 802.3 IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3z 1000BASE-X IEEE 802.3af/at IEEE 802.3ad IEEE 802.3q, IEEE 802.3q/p IEEE 802.1w, IEEE 802.1d, IEEE 802.1S STP (Spanning Tree Protocol) RSTP/MSTP (Rapid Spanning Tree Protocol) EPPS ring network protocol EAPS ring network protocol
Port Specification	10/100/1000BaseT(X) auto-detect, full/half duplex MDI/MDI-X adaptive
Transmission Mode	Store and Forward (full wire speed)
Bandwidth	128Gbps
Packet Forwarding	40.32Mpps
MAC Address	8K
Buffer	4.1M
Transmission Distance	10BASE-T: Cat3,4,5 UTP($\leq 250m$) 100BASE-TX: Cat5 or later UTP($\leq 150m$) 1000BASE-TX: Cat6 or later UTP($\leq 150m$) SFP: Support 1000M single-mode and multi-mode optical modules, maximum distance $\leq 120km$ (depending on the optical module)
FLASH	16M
RAM	128M
Power Consumption	$\leq 400W$

LED Indicator	PWR: Power LED SYS: (System LED) 1~24: (Link LED=10/100M Link、1000M=Gigabit Link) 25-26: (SFP LED)
Power	Built-in power AC 100~240V 50/60HZ
Operating environment	Operating temperature: -10℃ ~ 55℃; Storage temperature: -40℃ ~ 75℃; Operating humidity: 5% ~ 90% RH Non condensing Storage humidity: 5% ~ 95% RH Non condensing
Product size/ Packing size (LxWxH)	440x290x45mm 515x375x95mm
N.W/G.W (kg)	3.5/4.3kg
Installation	Rack-mountable(optional 19" mounting brackets)
Lightning protection level	3KV 8/20us; IP30
Certificate	CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	1 year (Accessories not included)
Software	
Network Protocol	IEEE 802.3x IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z IEEE 802.3ad IEEE 802.3q, IEEE 802.3q/p IEEE 802.1w, IEEE 802.1d, IEEE 802.1S, IEEE 802.1X
MAC	Support 16K MAC address, auto aging and learning
VLAN Configuration	Support port-based VLAN Up to 4096 VLANs Support Voice VLAN, can configure Qos for voice data 802.1Q
Spanning Tree	STP(Spanning tree protocol) RSTP/MSTP(Rapid spanning tree protocol) EPPS/EAPS(Ring network protocol) 802.1x
Port Aggregation	Support 8 groups of aggregation, each group support up to 8 ports
Port Mirroring	Support many-to-one port mirroring
Loop Guard	Support loop protection, real-time detection, quick alarm, concise location, Intelligent blocking, automatic recovery
Port Isolation	Support downlink ports isolate from each other and communicate with uplink port as well
Flow Control	Half duplex based on Back pressure Full duplex based on PAUSE frame
Speed Limitation	Bandwidth management based on port input and output

Multicast Control	IGMPv1/2/3 and MLDv1/2 Snooping GMRP protocol registration Multicast address management, multicast VLAN, multicast routing port, static multicast address
DHCP	DHCP Snooping
Storm Suppression	Support unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth adjustment and storm filtering
Security	Support User port+IP address+MAC address ACL based on IP, MAC Support security properties of number of MAC address based on port
QOS	802.1p port queue priority algorithm Cos/Tos,QOS remark WRR(Weighted Round Robin), weighted priority rotation algorithm WRR, SP, WFQ priority scheduling modes
Cable Sequence	Auto-MDIX; auto detection on straight-through and cross-over cable
Negotiation Mode	Port support auto negotiation function (self-negotiation transmission rate and duplex mode)
System maintenance	Upgrade package upload System log viewing WEB recovery factory configuration
Network Management	WEB interface management CLI management based on Telnet, TFTP, Console SNMP V1/V2/V3 management RMONV1/V2 management RMON management