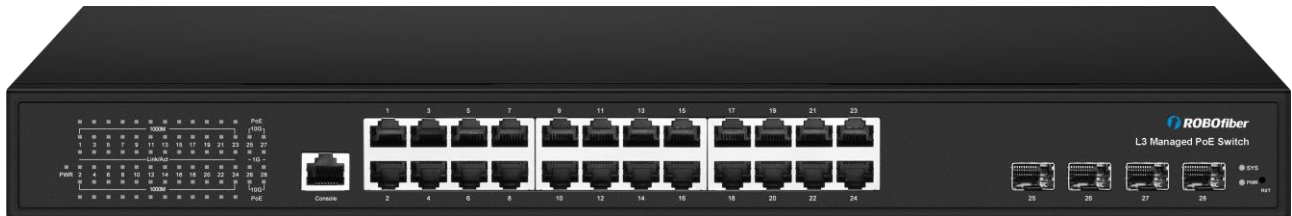


RB10-2404M-PSE



OVERVIEW

The RB10-2404M-PSE is a L3 Ethernet network managed switch, supporting IPV4/IPV6 management, dynamic routing at full line-speed forwarding, with thorough security features, including strong ACL/QoS policies and easy and comprehensive management features. Switch supports multiple network redundancy protocols: STP/RSTP/MSTP (<50ms) and ERPS ring (convergence time<20ms, improving link backup and network reliability).

The RB10 managed series have high reliability and strong management features, making the product series suitable for multiple industries such as transportation, power or telecommunications.

FEATURES

High-Speed Interfaces

24x 10/100/1000M RJ45 ports and 4x10G SFP+ slots

Standards Compliance

Compatible with a comprehensive array of networking standards, including IEEE 802.1d, 802.1w, 802.1s, 802.1p, 802.3, 802.3u, 802.3x, 802.3z, 802.3ab, and 802.3ae

Enhanced Network Stability

Supports Spanning Tree Protocol (STP/RSTP/MSTP with ERPS) for loop detection and self-healing, along with remote loop monitoring and control for optimal network performance.

Flexible VLAN Partitioning

Offers versatile VLAN partitioning, allowing for both MAC VLAN and protocol VLAN configurations to segment network traffic securely

Robust Security Features

Offers features like IP address + MAC address + VLAN + port binding, DHCP Snooping, and IP Source Guard (DAI) protection for strong security

Comprehensive Management

Management and configuration through various interfaces such as WEB, TELNET, CLI, SSH, SNMP, and RMON

SPECIFICATIONS

RB10-2404M-PSE	
Fixed Port	24x10/100/1000M RJ45 port (data/power) 4x100/1000M/2.5G/10G SFP+
PoE Ports	1-2 port supports IEEE802.3af/at/poe++/bt, max 90W/port PoE out 3-24 port supports IEEE802.3af/at, max 30W/port, PoE out
Console port	1xconsole port
Reset Key	1
PoE Pin	af/at/bt: 12+ 45+; 36- 78- af/at: 12+ 36-
PoE Bridge	max 400W PoE PD budget
CPU	MIPS-34Kc 800GHz
DDR	4G DDR3
FLASH	512MBytes
RAM	512MBytes
Bandwidth	512Gbps
Packet Forwarding	95.23Mpps
MAC	16K
Buffer	12Mbit SRAM Packet Buffer
Jumbo Frame	Jumbo frame up to 12KB
VLAN Address	4K
Link Aggregation	Supports 128 trunk groups with up to 8 members per group
L3 Routing	IPV4 supports 6K; IPV6 supports 2K;
QoS Queue	8
Transmission Distance	10BASE-T: Cat3,4,5 UTP (≤250 meters) 100BASE-TX: Cat5 or later UTP (150 meters) 1000BASE-TX: Cat6 or later UTP (150 meters) SFP: 100M/1G/10G single-mode multi-mode optical module, the maximum distance is ≤120km (depending on the optical module)
LED Indicator	PWR: Power LED SYS: System LED 1-24: 10/100/1000M Network connection indicator 25-28: 10G SFP connection indicator
Power	Built-in power AC: 100-240Vac 50-60Hz 5A, max 415W
Operating Temperature/Humidity	-10~+55° C; 5%~90% RH Non condensation
Storage Temperature/Humidity	-40~+75° C; 5%~95% RH Non condensation
Product /	440mmx290mmx45mm
Packing Size (LxWxH)	515mmx375mmx95mm
N.W/G.W (kg)	3.5kg/4.2kg

Gigabit Ethernet Web Managed PoE Switch

Lightning Protection level	6KV 8/20us IP30
Installation	Rack-mount (optional 19" mounting kit available)
Certificate	CE-EMC EN55032; CE-LVD EN62368; FCC Part 15 Class B; RoHS;
Warranty	1 year (accessories not included)
Software	
Port Management	Enable/Disable Port Speed, Duplex, MTU Setting Flow-control Port Information Check
Port Mirroring	Supports both side-way port mirroring
Port Speed Limit	Supports port-based input / output bandwidth management
Port Isolation	Supports downlink port isolation, can communicate with uplink port
Storm Suppression	Supports unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth regulation and storm filtering
Link Aggregation	Supports static manual aggregation Supports LACP dynamic aggregation
VLAN	Access Trunk Hybrid Supports port, protocol, MAC-based VLAN partitioning Supports GVRP dynamic VLAN registration Voice VLAN
MAC	Supports static addition, deletion MAC address learning limit Supports dynamic aging time setting
Spanning tree	Supports STP spanning tree protocol Supports RSTP Rapid Spanning Tree Protocol Supports MSTP Rapid Spanning Tree Protocol
Multicast	Support static addition, deletion IGMP-snooping Supports MLD-Snooping Supports v1/2/3 dynamic multicast monitor
DDM	Supports SFP/SFP+DDM
ACL	Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port

QoS	Based on 802.1p (COS) classification Based on DSCP classification Classification based on source IP, destination IP, and port number Supports SP, WRR scheduling strategy Supports flow rate limit CAR
LLDP	Supports LLDP link discovery protocol
User settings	Add/delete users
Log	User login, operation, status, events
Anti-attack	DOS defense Support CPU protection and limits the rate of sending CPU packets ARP binding (IP, MAC, PORT binding)
Certification	Supports 802.1x port authentication Supports AAA certification
Network diagnosis	Supports ping, telnet, trace
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.
CLI	Supports serial port command line management
SSH	Supports SSHv1/2 remote management
TELNET	Supports telnet remote management
WEB	Supports Layer 2 settings, Layer 2 and Layer 3 monitor
SNMP	SNMP V1/V2/V3 Supports trap: ColdStart, WarmStart, LinkDown, LinkUp
RMON	Supports RMON v1
Other functions	Supports DHCP Snooping, Option82, DHCP Server Supports dynamic ARP detection Supports TACACS+ certification Supports DNS certification Supports port security settings Supports MVR protocol Supports cable detection VCT function Supports UDLD protocol
ARP	Supports static and dynamic ARP
Static Route	Supported
VLAN Interface	Supports VLAN interfaces
RIP	Supports RIP v1/v2
OSPF	Supports OSPFv2
Policy Route	Supported
VRRP	Supported