

18+2 Port Gigabit Managed PoE Switch

Model: SPB-5182M2-18G2GS-SD

Description:

YUNCORE® SPB-5182M2-18G2GS-SD is a high-performance Gigabit Managed PoE switch featuring 16 Gigabit PoE ports, 2 Gigabit RJ45 uplink ports and 2 Gigabit SFP fiber uplink port, with configurable power options of 260W.

Features:

- Low power consumption: Maximum system power consumption $\leq 15W$ (excluding PoE output)
- Supports IEEE 802.1Q VLAN, QoS, ACL, Spanning Tree Protocol, multicast, IPv6
- Supports port security, port mirroring, and port isolation
- Supports Web-based management, CLI, and SNMP



Specification	
Standard	<p>IEEE802.3 10BASE-T</p> <p>IEEE802.3u 100BASE-TX</p> <p>IEEE802.3ab 1000BASE-T</p> <p>ANSI/IEEE 802.3 NWay</p> <p>IEEE 802.3z</p>
Network Interfaces	<p>16 × 10/100/1000Mbps PoE ports (48V PoE, 802.3af/at)</p> <p>2 × 10/100/1000MbpsRJ45 uplink ports</p> <p>2 × 1Gbps SFP+ uplink</p> <p>1 × console</p>

PoE	IEEE 802.3af (15.4W) 、 IEEE 802.3at (30W)
Switching Mode	Store-and-Forward
MAC Address Table	8K
Status Indicators	PWR, SYS, SFP×2, LAN×18

Software Features	
Port Configuration	<p>Basic: Port enable/disable, Auto-negotiation (with force mode)</p> <p>Flow Control: 802.3x (Full-duplex) / Backpressure (Half-duplex)</p> <p>Storm Control: Broadcast/Multicast/Unicast rate limiting with threshold shutoff</p> <p>Advanced:</p> <ul style="list-style-type: none"> • Port mirroring • Rate limiting • Link aggregation: <ul style="list-style-type: none"> Static/LACP mode 8 groups × 8 ports Multi-path routing • Protected ports • Redundant ports • Jumbo Frame (16KB)

Software Features	
	<ul style="list-style-type: none"> • Cable diagnostics
PoE Supply	<p>Port Control: PoE On/Off per port</p> <p>Power Management: Total power budget setting</p> <p>Advanced: Port scheduling, PD online detection</p>
MAC Configuration	<p>MAC Table Capacity: 8K</p> <p>Management: MAC table control, Static MAC, MAC binding/filtering, IVL forwarding, Port learning control</p>
VLAN Configuration	<p>VLAN Capacity: 4K</p> <p>Classification: 802.1Q/MAC/IP/Protocol/Voice VLAN</p> <p>Advanced: VLAN mapping, QinQ (Double VLAN tagging)</p>
ACL Access Control	<p>Types: Standard IP / Extended IP / MAC-based IP / MAC ARP</p> <p>Features: Port filtering, Time-based policies</p>
QoS Management	<p>Queues: 8 queues with WRR/SP/WFQ scheduling</p> <p>Classification: Port/802.1p/DSCP/ACL</p> <p>Policies: Queue mapping, CoS/DSCP remarking, Rate limiting/Statistics/Mirroring</p>
Management Features	<p>Interfaces: CLI (Serial/TELNET/SSH), WEB, SNMPv1/v2c/v3</p> <p>Advanced:</p>

Software Features	
	<ul style="list-style-type: none"> • Multi-user management • TACACS+ authentication/authorization • Logging (Local/SYSLOG) • RMON Groups 1–9 • Cluster management • OAM (802.3ah/802.1ag) • Config/Software upgrade • Clock sync (Local/SNTP)
Security	<p>Service Control: TELNET/WEB/SNMP ACL binding, Connection limit</p> <p>Protection:</p> <ul style="list-style-type: none"> • CPU protection • 802.1x (Port/MAC) • RADIUS AAA • Guest VLAN <p>Binding:</p> <ul style="list-style-type: none"> • IP-MAC static binding • DHCP Snooping (Dynamic ARP/IP-MAC binding, Anti-rogue DHCP) • ARP Spoofing Prevention (Manual ACL/DHCP dynamic binding)