

48-port 10/100 Multi-Layer Stackable Managed Switch

(48) 10/100 ports + (2) SFP/RJ-45 Combo ports & (2) stacking ports

- ▶ Auto-sensing 10/100 ports
- ▶ (2) hot-swappable Gigabit Small Form Factor Pluggable interfaces
- ▶ (2) 10/100/1000 Stacking Ports
- ▶ Robust Security
- ▶ Multi-Layer Protocol Support
- ▶ Simplified Network Management
- ▶ Outstanding Value
- ▶ 1U Rack-Mount Form Factor

MIL-SM4804G



Most Powerful, Flexible Multi-Layer Switch in its Class

The MILAN Multi-Layer 10/100 switch delivers maximum throughput and flexibility where you need it:

- High-density workgroups at the edge of the network
- The backbone of small networks

The non-blocking design of the switch delivers simultaneous, full wire-speed, low-latency throughput to all ports. In addition, the 1U rack-mount form factor uses less rack space and provides a lower per-port cost over comparable switches.

Multi-Layer Management Features

- ▶ **Graphical User Interface** HTML browser-based with password protection for local and remote management
- ▶ **Command Line Interface** Industry-standard CLI
- ▶ **Front panel** Graphical representation of unit with real-time network and port status
- ▶ **Port Status** Displays current per-port configuration showing speed, flow-control, bandwidth status and port security status.
- ▶ **Port Statistics** Displays link, type and state of each port including RX/TX/Error for each port and unit. Table view also shows current, peak average & total packets for each port.

Ordering Info

MIL-SM4804G

48-port 10/100 Multi-Layer Stackable Managed Switch with (2) SFP Gigabit ports and (2) Gigabit stacking ports
Includes 19" Rackmount ears

Optional Accessories

(sold separately)

SFP Modules (see pages 145 - 148)

Specifications

Connectors	<ul style="list-style-type: none"> • 48-Port Fast Ethernet with Auto-MDI/MDIX (100BaseTX, 10BaseT): RJ-45 • 2 Combo (RJ-45/SFP) Ports • 2 Gigabit Ethernet Ports with Auto-MDI/MDI-X (1000BASET, 100BASETX, 10BASET): RJ-45 for Stacking • Console: Serial (RS-232): DB9
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LED Indicators	Port, Uplink, System, Diagnostic, Stack/Master
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Performance	17.6 Gbps backplane 8k MAC Addresses
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Dimensions	Width: 17.4" [440 mm] Depth: 12.8" [324 mm] Height: 1.7" [43 mm]
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Mounting	Install into a standard 19-inch rack (1 RU height) or placed on a desktop; rackmount kit included
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Operating Temperature	32° to 104° F (0° to 40° C)
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Relative Humidity	10% to 90% non-condensing
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Power Requirements	Auto-switching, 110/240 VAC, 47 – 63Hz; 35W
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Standards Compliance	IEEE 802.1DF Spanning tree and bridge filters IEEE 802.1W Rapid spanning tree and bridge filters IEEE 802.1p Quality of Service (QoS) IEEE 802.1X EAP Authentication IEEE 802.1p Prioritization (Class of Service) IEEE 802.1Q Virtual LAN (VLAN) Tagging IEEE 802.3ad Link aggregation (LACP) IEEE 802.3ac Frame extension for VLAN tagging IEEE 802.3x Flow control and back pressure IEEE 802.3z 1000BaseSX/LX over single mode/ multimode fiber; max distance 49200 ft. (15 km) IEEE 802.3ab 1000BaseT over Cat. 5 UTP (4 pairs); max distance 328 ft. (100 meters) IEEE 802.3u 100BaseTX over Cat. 5 UTP (2 pairs); max distance 328 ft. (100 meters) IEEE 802.3 10BaseT over Cat. 3 UTP (2 pairs); max distance 328 ft. (100 meters) RFC 2674 Extended Bridge MIB RFC 2665 Ether-Like MIB RFC 2863 Interface MIB RFC 1493 Bridge MIB RFC 1213 MIB II
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Emissions & Safety	FCC Class A, CE Mark, UL listed
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Technical Support & Warranty	Free technical support and advanced warranty support for 5 years. Includes free telephone support, 24-hour support via web and ftp.
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- ▶ **Port Controls** Configure the state (enabled, disabled), link status (up, down) and mode (speed, duplex); Auto-Negotiation, flow control, priority and bandwidth limits.
- ▶ **Link Aggregation** Set up IEEE 802.3ad Port Trunking with flexible load distribution, up to 8 ports per trunk group.
- ▶ **VLAN Configuration** Supports port or protocol based VLANs up to 255 active VLANs (0~4094). GVRP for automatic VLAN registration and dynamic VLAN management.
- ▶ **Spanning Tree** Supports IEEE 802.1D STP and IEEE 802.1w RSTP
- ▶ **IGMP** Supports IGMP v1/v2 Snooping and Query functions
- ▶ **Port Mirroring** Monitor network traffic by Enable/disable Port Mirroring and select the ports for packet analysis
- ▶ **Remote Management** Supports SNMP v1/v2c, RMON, and Telnet
- ▶ **Security** Port and MAC-based IEEE 802.1X Authentication, TACACS+, SSL, SSH v1.5/v2, and Access Control List (ACL)
- ▶ **Jumbo Frame** Supports up to 9100Kb Jumbo Frames
- ▶ **Quality of Service (QoS)**
 - L2/L3/L4 Traffic Classification/Priority Management, based on IEEE 802.1p 4 priority queues control, based on IP Precedence/TOS & DSCP/TOS, and based on TCP/UDP port numbers
 - Supports WRR & SPF for priority queues, DiffServ/IPToS Prioritization, and Random Early Detection (RED)
- ▶ **Bandwidth Control** Supports Ingress/Egress based Bandwidth Limiting
- ▶ **IP Stacking** Single IP Address, closed loop Stacking, up to 8 units:
 - Manage Trunking, VLAN memberships, Packet priority and Port Mirroring across stack