

MILAN managed switch

MIL-SEM24T4GPA

(20) 10/100/1000 ports + (4) RJ-45/SFP Combo Ports



- ▶ 4 Gigabit SFP ports
- ▶ IEEE 802.1x User Authentication
- ▶ SNMP v1 and v2c support
- ▶ IGMP v1, v2

Ordering Information

MIL-SEM24T4GPA

20-port 10/100/1000 +
(4) combo ports RJ-45/SFP
includes 19" Rack Mount ears

Additional Features

- ▶ TFTP configuration backup and restore
- ▶ CSMA/CD
- ▶ DHCP Client
- ▶ Quality of Service (QoS)
- ▶ Bandwidth control
- ▶ Broadcast/Multicast Packet Filter Control
- ▶ Ingress Packet Filter and Egress Rate Limit
- ▶ Port trunk with LACP
- ▶ Auto-Negotiation
- ▶ Auto-MDIX on all ports
- ▶ 10K Jumbo Frame support
- ▶ True non-blocking switching
- ▶ 8K MAC address table
- ▶ Back pressure half-duplex
- ▶ Flow control full-duplex
- ▶ Store and forward switching architecture
- ▶ 48 Gbps backplane
- ▶ 500 Kbytes memory buffer

Specifications

Standards	IEEE Std. 802.3 10BASE-T; IEEE Std. 802.3u 100BASE-TX; IEEE Std. 802.3ab 1000BASE-T; IEEE Std. 802.3z Gigabit fiber; IEEE Std. 802.3x Flow control and Back-pressure; IEEE Std. 802.1ad Link Aggregation; IEEE Std. 802.1q VLAN Tagging IEEE Std. 802.1p Class of service IEEE Std. 802.3ad Port trunk with LACP; IEEE Std. 802.1d Spanning Tree Protocol; IEEE Std. 802.1w Rapid spanning tree; IEEE Std. 802.1x Authentication Protocol
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Transfer Rate	14,880 pps for 10 Mbps 148,800 pps for 100 Mbps 1,488,000 pps for 1000 Mbps
Connectors	RS232 Console: Female DB-9 24 10/100/1000 RJ-45 4 SFP ports - shared with RJ-45 ports 21, 22, 23 & 24
MAC Address	8K MAC address table
Memory Buffer	500 Kbytes
Jumbo packet support	Max 10 Kbytes jumbo packet size
Network Cable	10BASE-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100 m) IEEE Std. 802.3u 100BASE-TX, 10/100 Mbps, BASE-TX: 100-ohm (100 m) Gigabit Copper: 4-pair UTP/STP Cat 5 cable EIA/TIA-568 100-ohm (100 m)
Backplane	48 Gbps
LEDs	RJ-45 port: Link/Activity; 1000 - port operating at 1000 Mbps Fiber: Link/Activity Power: On/Off
Power Supply	Built-in AC power supply: AC 100~240V, 50/60 Hz
Power Consumption	17.9 Watts max.
Operation Temperature	0° to 50°C (32° to 113°F)
Operation Humidity	10% to 95% (non-condensing)
Dimensions	Width: 17.0" [440 mm] Depth: 6.4" [161 mm] Height: 1.7" [44 mm]
EMI	FCC Class A, CE Mark
Safety Compliance	UL, cUL
Technical Support Warranty	Free technical support and advanced warranty support & for 5 years. Includes free telephone support, 24-hour support via web and FTP.

Reporting Features

- ▶ **Management:**
SNMPv1, SNMP v2c, Telnet, Console (CLI) Web Management
- ▶ **Firmware update:**
TFTP firmware upgrade
- ▶ **System default:**
Restore function for system default
- ▶ **Port Trunk:**
Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP). 8 trunk groups/12 trunk members maximum.
- ▶ **VLAN:**
Port based VLAN; IEEE 802.1Q Tag VLAN (255 entries)/VLAN ID (VLAN ID can be assigned from 1 to 4094).
- ▶ **Quality of Service/Class of Service:**
Supports IEEE 802.1p Class of Service; Per port provides 4 priority queues; Port Base, Tag Base and Type of Service Priority
- ▶ **Spanning Tree:**
Supports IEEE 802.1w rapid spanning tree and IEEE 802.1d spanning tree
- ▶ **Port Mirror:**
Supports RX packet mirror
- ▶ **IGMP:**
 - Supports IGMP V1, V2,
 - Supports 255 multicast groups
- ▶ **Broadcast Storm:**
Enable/Disable, 5%, 10%, 20%, 25%
- ▶ **SNMP Trap:**
 - Device coldstart
 - Port Link up/Link down
 - Up to 1 trap station