MILAN
managed switches

8-port Gigabit Layer 2 Remote IP-Managed Switch

(4) 10/100/1000 Base-T ports + (4) SFP 1000BASE-X ports

- 4-port 10/100/1000BASE-T
- (4) 1000BASE-X SFP ports
- Auto MDI/MDI-X
- Non-blocking switching architecture
- IEEE 802.1q VLAN tagging GVRP/MVR
- IEEE 802.1p Class of Service 4 priority queues

MIL-SM4004TG

NEW

Additional Features

- IGMP query and snooping
- 802.1X Authentication
- Port Mirroring
- 8K MAC Address
- Telnet/Web-based management
- TFTP firmware upgrade
- Enable/disable ports
- Auto-Negotiation
- Forced modes, 10H/10H/100H/100F/1000F
- Auto-MDIX on all ports
- 802.3X Flow control
- Back-pressure
- X-Ring Support
- 1Mbps Buffer
- Broadcast storm filter
- DHCP Client, Relay, Server
- SNTP and SMTP support
- MAC Address Security
- Bandwidth Allocation
- QoS port-based/Tag based, IPv4, Tos/Ipv4, IPv6, DiffServ
- Ingress & Egress MAC address filter & static source MAC address lock

Software Features

- **Management:** Remote IP-Based Management, Web Management, SNMP V1/2/3, Telnet, Menu based CLI
- **Firmware update:** TFTP firmware upgrade and configuration backup
- **System default:** Restore function for system default
- **Port Trunk:** Supports IEEE802.3ad port trunk with link aggregation control protocol (LACP). The trunk group up to 2 and maximum trunk port member up to 2 ports.
- **VLAN:** Port Based VLAN; IEEE802.1Q, 4096 VLAN IDs, 256/2048 static/dynamic VLAN groups, 256 GVRP Groups
- **Quality of Service:** Support port based, Tag based and IPv4 ToS
- **Class of Service:** 4 priority queues
- **Spanning Tree:** Supports IEEE802.1w rapid spanning tree and IEEE 802.1d
- **Port Mirror:** Supports TX/RX/Bi-Directional packet mirror
- **IGMP:** Supports IGMP V1, V2
- **Storm Control:** Bandwidth Allocation on Broadcast

The MIL-SM4004TG series of layer 2 managed switches provide high performance non-blocking switching. The switch has 4 auto-sensing 10/100/1000BASE-TX RJ-45 ports and 4 Gigabit SFP ports.

Management features include port based, dynamic and static VLANs, GVRP, VLAN tagging, IGMP Snooping or querying, port mirroring, port security. Security includes static addressing, filtering and blocking of packets to identified MAC addresses. Four priority queues insure minimum delay for voice over IP or multimedia network data. Non-blocking 16Gbps architecture assures rapid packet delivery while 8,000 MAC address table provides swift lookup and packet forwarding.

Specifications

Standards	IEEE Std. 802.3 10BASE-T; IEEE Std. 802.3u 100BASE-TX; IEEE Std. 802.3z Gigabit fiber; IEEE Std. 802.3ab 1000BASE-T; IEEE Std. 802.3x Flow control and Back-pressure; IEEE Std. 802.3ad Port trunk with LACP; IEEE Std. 802.1d Spanning Tree Protocol; IEEE Std. 802.1w Rapid spanning tree; IEEE Std. 802.1p Class of service IEEE Std. 802.1q VLAN Tagging IEEE Std. 802.1x user authentication
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	10/100/1000 copper: 4x RJ-45 with AutoCross (Auto MDI/MDI-X), 4 1000BASE-X SFP ports, 1 RS-232 D B-9 Female
MAC Address	8K MAC address table
Packet Buffer	1Mbits
Jumbo packet support	Max 9Kbytes jumbo packet size
Network Cable	**10BASE-T:** 2-pair UTP/STP Cat. 3, 4, 5 cable; EIA/TIA-568 100-ohm (100 m) **100BASE-TX:** 2-pair UTP/STP Cat. 5 cable; EIA/TIA-568 100-ohm (100 m); **1000BASE-T:** 4-pair UTP/STP Cat. 5e cable; EIA/TIA-568 100-ohm (100 m)
Backplane	16Gbps
LEDs	**RJ-45 port:** 10/100/1000; Link/Activity; Full duplex/Collision **Fiber:** Link/Activity **Power:** On/Off
Power Supply	Internal power: 100 – 240VAC 50/60Hz
Power Consumption	15 watts max.
Operation Temperature	0° to 45°C (32° to 113°F)
Operation Humidity	10% to 90% (non-condensing)
Dimensions	**Width:** 8.54" [217 mm] **Depth:** 5.51" [140 mm] **Height:** 1.69" [43 mm]
EMI	FCC Class A, CE Mark
Safety Compliance	UL, cUL

Ordering Info

MIL-SM4004TG
4-port 10/100/1000
Remotely Managed switch
with (4) SFP Gigabit ports

MILAN BY TRANSITION NETWORKS

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