



MIL-SM808G

Managed 8-port 100 BASE-FX Switch with GBIC port



- High Back-plane Bandwidth 5.6 Gbps
- IEEE802.1Q VLAN tagging
- IEEE802.1P Class of service
- Port, Protocol, Tagged VLANs and GVRP support
- IGMP Query and IGMP Snooping
- Port Mirroring /Port Security
- Web-GUI/ Console/Telnet/SNMP Management
- TFTP Firmware Upgrade
- 3.3Volt GBIC Port

MiLAN's MIL-SM808G series of layer 2 managed switches provides high performance non-blocking switching. The switch has 8 100BASE-FX ports and one fixed Gigabit Ethernet GBIC port. This is the ideal switch for aggregating remote classroom or workgroup switches.

MIL-SM808G series switch management features include- port based, dynamic and static VLANs, GVRP, VLAN tagging, IGMP Snooping, port mirroring, port security. Security includes static addressing, filtering and blocking of frames to identified MAC addresses. Two priority queues with selection of queue management, insure minimum delay for voice over IP or multimedia network data. Console port provides local management while Telnet and Web-base management is provided via any network device.

Non-blocking 5.6Gbps, store and forward, shared memory architecture assures rapid packet delivery while 8,000 MAC address table provides swift lookup and packet forwarding.

Other ASIC features that enhance performance are included such as 802.1D spanning tree, 802.3x flow control, 802.1ad link aggregation and broadcast storm control.



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Managed 8-Port 100 BASE-FX Switch with GBIC PORT

MIL-SM808G Series

Features

Non-blocking full wire speed performance
Store-and-forward, shared memory architecture
Designed for desktop or rack mount
Static MAC addresses and MAC filtering for secure networks
Backpressure and flow control
Serial console port for out of band management
Conforms to IEEE 802.1D, 802.3u/z/ab Ethernet Standards

Management Interface

Console port, Telnet, WEB Browser Interface, and Simple Network Management Protocol version 1 (SNMPv1)

Standards Compliance

IEEE802.3u 100BASE-FX
IEEE802.3z Gigabit SX/LX 1000Mbps
IEEE802.3ab Gigabit 1000T 10/100/1000Mbps
IEEE802.3x Flow control and Back-pressure
IEEE802.1ad Link Aggregation
IEEE802.1Q VLAN Tagging
IEEE802.1P Class of service
IEEE802.1D Spanning Tree Protocol

VLANs

Supports port based or protocol based VLANs, up to 256 Groups, and IEEE802.1Q VLAN Tagging, VLAN Tagging ID up to 4K

Port Mirroring

Supports source-port-based, destination-port-based and source-destination-port mirroring of transmit, receive or bi-directional data.

Spanning Tree Protocol

Insures only one path between any two nodes on network

Ordering Information

MIL-SM808GSC 8 FX, MMF Ports with SC connectors and 1 GBIC
MIL-SM808GST 8 FX, MMF Ports with ST connectors and 1 GBIC
MIL-SM808GSC-15 8 FX SMF 15km Ports with SC connectors and 1 GBIC
MIL-SM808GSC-60 8 FX SMF 60km Ports with SC connectors and 1 GBIC

Broadcast Storm Filtering

Only allows a percentage of port's total bandwidth before broadcast traffic is dropped

Trunking

Supports 802.3ad port trunking with flexible load distribution with 800Mbps aggregate bandwidth per trunk group

VLAN Options

Supports VLAN tagging, 802.1Q, port based VLANs, overlapping VLANs

Class of Service

Supports 802.1p Class of service with 2-level priority queueing.

Scheduling schemes

Packets can be transmitted by different priority schemes; FIFO, WRR, with Enable Delay Bound

IGMP: Query modes for flat Layer 2 environments needing multicast traffic limiting and IGMP snooping mode to limit traffic to specific ports within VLANs.

GVRP: Support for Group VLAN Resolution Protocol dynamic join and leave of IEEE802.1Q VLAN types.

MAC Address Table: 8K with Auto-learning function

Packet Buffer: 2Mbits

Back-plane bandwidth: 5.6 Gbps

System throughput: 148800 Packets per second for 100Mbps. 1488000 packets per second for Gigabit

Voltage: 100~240 VAC

Frequency: 50/60HZ

Power Consumption: 17 W

Operational Temperature: 0 – 45°C (32° to 113° F)

Operational Humidity: 10% to 90% (non-condensing)

Dimensions: 440mm W x 160mm D x 44mmH

Weight: 2lbs 6oz

Emissions & Safety: FCC Class A, CE, UL,cUL

Warranty: Comprehensive 5 years

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