



MILTECH™ 908M

Compact, Portable Military Managed Gigabit Ethernet Switch

PRODUCT DESCRIPTION

Driven by rapid advancement and lower costs, Ethernet is becoming the standard for IP-based components in a wide range of military and commercial applications, including:

- Battle management systems (BMSs)
- Airborne systems
- Land vehicles
- Mobile equipment fielded in harsh environments

Modern platforms contain dozens of network devices that must be interconnected with managed Ethernet switches that support QOS, VLANs, spanning tree and port mirroring. The MILTECH 908M is an ideal solution to connect computers, sensors, targeting systems, and other devices that make these mobile platforms highly effective.

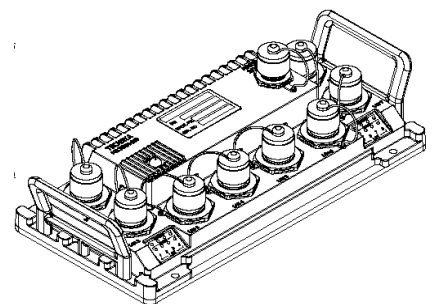
The 908M is a MIL-STD, fully managed military grade network switch offering 8 triple-speed (10/100/1000Mbps) ports. It

can be remotely managed to optimize communications and prioritize critical information traffic. Advanced network features include switching protocols, virtual LANS (VLANs), traffic prioritization (QoS), and bandwidth aggregation are standard.

The MILTECH 908M's gigabit speeds and 24VDC power make it instantly compatible with any network device and power systems. Its mechanical packaging enhancements, including ruggedized D38999 circular connectors, is designed for MIL-STD-810F airborne and ground environmental compliance and high reliability. Leveraging best-in-class switching technology from Techaya, the MILTECH908M serves as a robust commercial off-the-shelf (COTS) solution for rugged LAN connectivity.

FEATURES

ETHERNET PORTS:	<ul style="list-style-type: none"> • Managed 8 x switched 10/100/1000 Ethernet ports
NETWORKING:	<ul style="list-style-type: none"> • Spanning Tree (802.1d), RSTP (802.1w) and multiple Spanning Tree (802.1s) for fast recovery rings • Security via Radius Authentication 802.1x, Port Security, Port Mirroring • Multicasting (IGMP Snooping), GARP, GMRP, and GVRP Broadcasting and flooding Control up to 8K Groups. • 802.1q Tagged based VLAN up to 4K VLAN groups. • QoS Multi-Layer Classifier, 802.1p, ToS/DSCP traffic classification. WFQ, Strict Queuing. • Bridge support for Q-in-Q. • Link Aggregation 802.3AD. • WEB, CLI, Telnet Management.
CONNECTORS:	<ul style="list-style-type: none"> • Power Connector Type: MIL-D-38999/24WA98PA • LAN Connector Type: MIL-D-38999/24WB35SN • LED Indication Per Port (Speed, Link/Activity)
CHASSIS:	<ul style="list-style-type: none"> • Machined rugged aluminum • Conductively cooled w/custom internal heat-sinks • Ingress protection against sand, dust and moisture • Anodize Coating, MIL-A-8625, Type II, Class 2
STANDARDS:	<ul style="list-style-type: none"> • MIL-STD-1275B MIL-STD-704A MIL-STD-461A MIL-STD-810F GM IP67
VOLTAGE:	<ul style="list-style-type: none"> • Nominal 24VDC (18~32VDC)



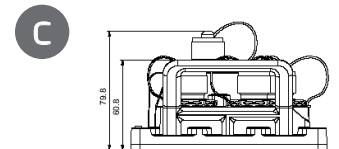
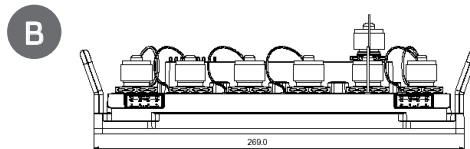
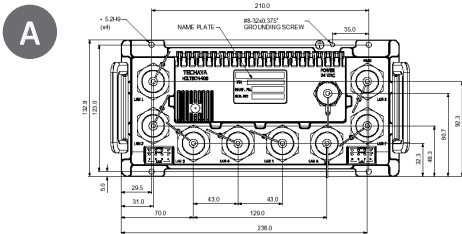


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Compact, Portable Military Managed Gigabit Ethernet Switch

PRODUCT SPECIFICATIONS

PERFORMANCE:	<ul style="list-style-type: none"> • 26.8 Mpps wire speed forwarding rate • 20Gbps maximum forwarding bandwidth • 8K MAC Address
STANDARDS COMPLIANCE:	<ul style="list-style-type: none"> • IEEE 802.1x MAC based Authentication • IEEE 802.1Q Vlan Tagging • IEEE 802.1P QoS • IEEE 802.1S Multiple STP • IEEE 802.1W Rapid STP • IEEE 802.1AD Link Aggregation • IEEE 802.1X
POWER:	<ul style="list-style-type: none"> • MIL-STD-1275B Surge and Spike protection • Voltage Input: 24Vdc Nominal (18-32V) • Power Consumption: 7W Typical • Chassis grounding
ELECTROMAGNETIC:	<ul style="list-style-type: none"> • MIL-STD-461A Electromagnetic compatibility • RE-02, RS-03
SHOCK/VIBRATION/HUMIDITY:	<ul style="list-style-type: none"> • MIL-STD-810F; 501.4I 501.4II 502.4I 502.4II 507.4 500.4II 514 516I 516VI 514.5 512.4
PHYSICAL:	<ul style="list-style-type: none"> • Dimensions: 269mm (L) x 133mm (W) x 80mm (H), including connectors & hardware Weight: 1.5kg • Dimensions: 10.59"(L) x 5.23"(W) x 3.14"(H), including connectors & hardware Weight: 1.5kg
INSTALLATION:	<ul style="list-style-type: none"> • Set of four 4.5mm mounting holes on bottom for mounting to any flat surface
COOLING:	<ul style="list-style-type: none"> • No Moving Parts. Passive Cooling
OPERATING TEMP:	<ul style="list-style-type: none"> • -40°C to +85°C (-40°F to +185°F) - Cold Start-Up
STORAGE TEMP:	<ul style="list-style-type: none"> • -45°C to +85°C (-49°F to +185°F)



*All measurements are in millimeters

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
MILTECH908	<ul style="list-style-type: none"> • Unmanaged military grade gigabit Ethernet switch 8 x 10/100/1000TX
MILTECH908M	<ul style="list-style-type: none"> • Managed military grade gigabit Ethernet switch 8 x 10/100/1000TX
CBL908LAN	<ul style="list-style-type: none"> • LAN harness for single LAN ports, 1 x D38999 connector to 1 x RJ45 connector, 3 meters length
CBL908LAN-MNG	<ul style="list-style-type: none"> • LAN+MNG-LAN and management harness for single LAN ports, 1 x D38999 connector to 1 x RJ45 connector and 1x DB9 connector, 3 meters length
CBL610PWR	<ul style="list-style-type: none"> • Power harness 1 x D38999 to open wires 3 meter length