

MILTECH[™] 708

Compact, Portable IP67 Military Fast 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 land, sea, and air applications. When building communications where data prioritization is not a concern and the amount of traffic is low, unmanaged, Fast Ethernet switches can be an ideal solution.

The MILTECH708's small size, IP67 rugged construction, and Fast Ethernet make it the ideal switching solution for command post, ground mobile and airborne applications. Its eight 10/100Mbps ports are plug-nplay compatible with all Ethernet equipment, providing network connectivity for most portable Ethernet devices, including:

- Voice and video communication systems
- IP-based sensors
- Battlefield communication C4ISR
- Combat vehicles, avionic and shipboard systems

The MILTECH 708 operates on readily available 24VDC power and supports MIL-STD1275 so that it may be powered directly from any available battery in the field. The MILTECH's 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 MILTECH708 serves as a robust commercial off-theshelf (COTS) solution for rugged LAN connectivity.

- Rugged computers
- Navigation devices

SPECIFICATIONS		
ETHERNET PORTS:	• 8 x switched 10/100 (Fast Ethernet) ports	
NETWORKING:	 Full wire-speed forwarding rate Store-and-forward mechanism Auto MDI-II, MDI-X Auto-Negotiation Protocol Address Look-Up 	
CONNECTOR5:	 Power Connector: D38999/24WA98PA LAN Connector: D38999/24WA35SN No led Indication Per Port (Link/Activity) Power Indication only 	
CHASSIS:	 Low profile rugged aluminum extrusion Conductively cooled w/custom internal heat-sinks Ingress protection against sand, dust and moisture Anodize Coating, MIL-A-8625, Type II, Class 2 	
STANDARDS:	 MILSTD-1275 MILSTD-704A MILSTD-461E MILSTD-810F GM IP67 	

SPECIFICATIONS



1

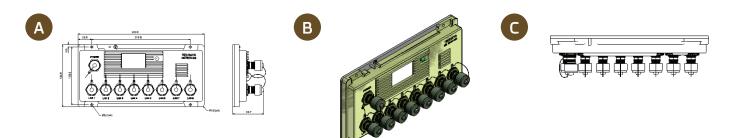




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SPECIFICATIONS	
PERFORMANCE:	 128K Byte of SRAM for Frame Buffering 2.0Gbps High-Performance Memory Bandwidth Wire-Speed Reception and Transmission Integrated Address Look-Up Engine Automatic Address Learning
STANDARDS COMPLIANCE:	 IEEE 802.3 10 Mbps 10BASE-T (Ethernet) IEEE 802.3u 100BASE-TX 100 Mbps (Fast Ethernet) IEEE 802.3x Flow Control
POWER:	 MIL-STD-1275B & MIL-STD 704A Surge and Spike protection Voltage Input: 24Vdc Nominal (18-32V) Power Consumption: 2.8W Typical Chassis grounding
ELECTROMAGNETIC:	 MIL-STD-461E Electromagnetic compatibility RE-02, RS-03
SHOCK/VIBRATION/HUMIDITY:	 MIL-STD-810F 501.4I 501.4II 502.4I 502.4II 507.4 500.4II 514 516I 516Vi 514.5 512.4 IP67
PHYSICAL:	 Dimensions: 269mm (L) x 133mm(W) x 61mm(H), including connectors Dimensions: 10.6"(L) x 5.2"(W) x 2.4"(H), including connectors Weight: 1.5kg Weight: 1.5kg
INSTALLATION:	• Four 4x5.2 mounting holes on bottom for mounting to any flat surface
COOLING:	No Moving Parts. Passive Cooling
OPERATING TEMP:	• -45 C to +85 C (-49 F to +185 F) - Cold Start-Up
STORAGE TEMP:	• -45°C to +85°C (-49°F to +185°F)



*All measurements are in millimeters

2

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
1-708-000	MILTECH708, military Rugged, 8 x 10/100TX, Switch
2-CBL610PW3M	Power cable MILTECH708, MIL-D38999 Connector, 3 meter length
2-CBL708LN3M	LAN cable for MILTECH708, MIL-D38999 to RJ45 connector, 3 Meters length

