



MILTECH™ 910PoE

A Managed Military Gigabit PoE+ Switch

The MILTECH™ 910PoE is a military-grade Power over Ethernet (PoE+) switch that supports 60W of PoE on all 8 Gigabit Ethernet 10/100/1000 ports - giving a total POE power budget of 330 watts to power both 802.3af and 802.3at standard devices.

MILTECH™ 910PoE is ideal for mobile Ethernet-equipped platforms, such as avionic, ground vehicles and aerial applications where traditional power sources have limited availability and supports COTS guidelines for PoE-enabled cameras, WiFi access points, mesh nodes and other devices.

Leveraging best-in-class switching technology, the MILTECH™ 910PoE is fully managed with advanced network features such as switching protocols, virtual LANS (VLANS), traffic prioritization, and bandwidth aggregation.

The MILTECH 910PoE operates on readily available 24VDC power and supports MIL-STD-1275 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, the MILTECH 910PoE serves as a robust commercial off-the-shelf (COTS) PoE solution for rugged power and LAN connectivity.





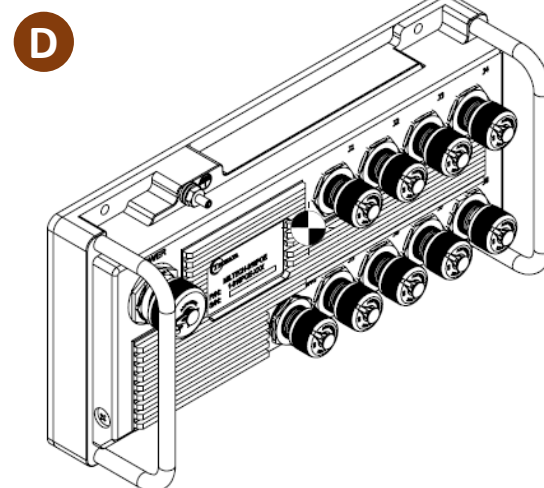
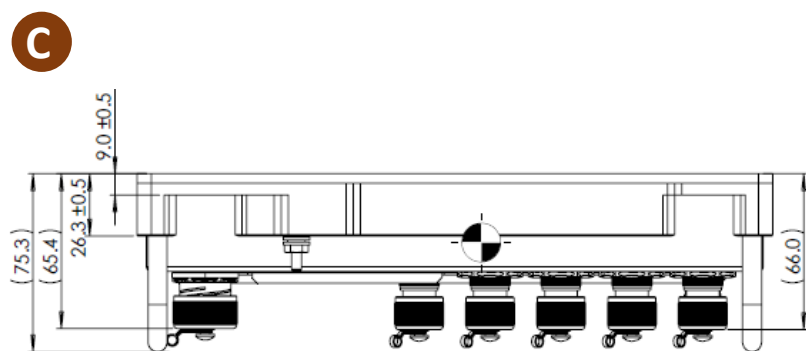
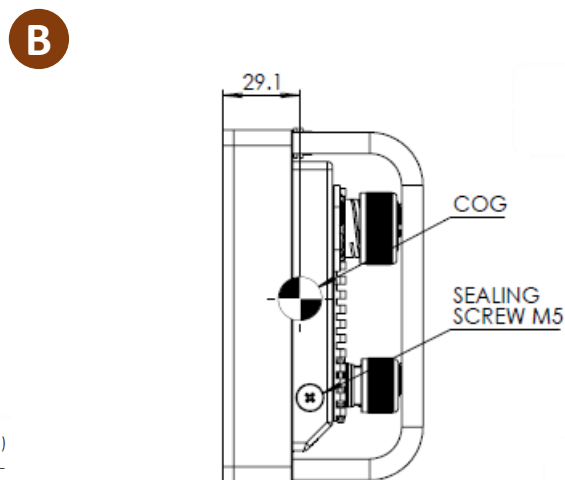
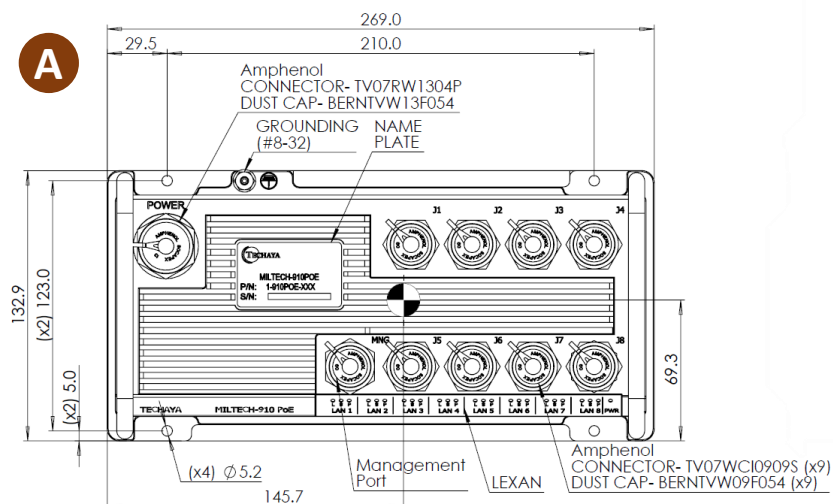
SPECIFICATIONS

ETHERNET PORTS:	8 x 10/100/1000BaseT ports
NETWORKING:	- 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 - Layer 3 Static routing - 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 - Rmirror* - Port Protection: 1+1 port protection, 1:1 port protection, 1:N port protection* - G.8032 ring protection* - DHCP option 82 relay* - L2CP tunneling* - Protocol-based VLAN* 1588v2 PTP with two-step clock* * Available in 1-910POE-100
CONNECTORS:	- Power Connector Type: D38999/24WC04PN - LAN Connector Type: TV07RW9-9SS25 - Management RS-232 Type: TV07RW9-9SS25 - LED Indication Per Port (Link/Activity, Speed, PoE)
CHASSIS:	- Machined rugged aluminum - Conductively cooled w/custom internal heat-sinks - Ingress protection against sand, dust and moisture - Painted Nato Green MIL-C-83286 TYPE-2 - FED 24079
STANDARDS:	Designed to meet MIL-STD-461, MIL-STD-810, MIL-STD-1275, MIL-STD-704, IP67
PERFORMANCE:	26.8 Mpps wire speed forwarding rate 20 Gbps maximum forwarding bandwidth 8K MAC Address
STANDARDS COMPLIANCE:	- 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:	- MIL-STD-1275B & MIL-STD 704A Surge and Spike protection - Voltage Input: 24Vdc Nominal (18-32V) - Power Consumption: 2.8W Typical, without PoE - Chassis grounding
PoE:	- Total PoE budget 330W - Max Consumption per port: 60W - Dynamic power allocation - PoE priority per port - Full comply to IEEE 802.af, IEEE 802.at - No Power degradation at +85C - No Need for additional PoE 48VDC input - Optional Gui /Web application for PoE management - MILSTD-1275 , MILSTD-704



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ELECTROMAGNETIC:	- MIL-STD-461E Electromagnetic compatibility - CE-102, CS-114, CS-115, CS-116, RE-102, RS-103
SHOCK/VIBRATION/ HUMIDITY:	- MILSTD-810F/G/GM: - Random vibration (514.5I) Bench Handling (516.6VI) High Temp.(501.5I,II) Low Temp.(502.5I) Humidity (507.5II) Air Pressure (500.5I,II) Blowing Rain (506.5I) Immersion (512.5I) Salt Atmosphere (509.5I) Blowing Dust (510.5I) Loose Cargo Vibration (514.6II) Wind Analysis. - IP 67
PHYSICAL:	- Dimensions: 269mm (L) x 133(W) x 71(H), including connectors & hardware - Dimensions: 10.5" (L) x 5.2"(W) x 2.79"(H), including connectors & hardware - Weight: 2.2kg
INSTALLATION:	- Set of four 4-4.5 threads for mounting to any flat surface. - Carrying handles - optional
COOLING:	No Moving Parts. Passive Cooling
OPERATING TEMP:	-40°C to +85°C (-49 F to +185 F) - Cold Start-Up
STORAGE TEMP:	-40°C to +85°C (-49°F to +185°F)



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
1-910PoE-000	Military Managed PoE+ Gigabit Ethernet Switch, 8 x10/100/1000TX
1-910PoE-100	Enhanced Military Managed PoE+ Gigabit Ethernet Switch, 8 x10/100/1000TX
2-CBL910PoEPW	Power Harness for MILTECH910PoE
2-CBL910PoELN	LAN Harness for MILTECH910PoE
2-CBL910PoEMNG	Management Harness for MILTECH910PoE