



MILTECH™ 610PoE

Military-grade Fast Ethernet PoE Switch

The MILTECH™ 610PoE is a military-grade Power over Ethernet (PoE) switch that supports 30W of PoE on all 8 Fast Ethernet 10/100 Ports - giving a total PoE power budget of 240 watts to power both 802.3af and 802.3at standard devices.

MILTECH™ 610PoE is ideal for mobile Ethernet-equipped platforms, such as vetronic, 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.

Developed for military and harsh environment applications, the MILTECH™ 610PoE features mechanical packaging enhancements designed for MIL-STD-810F airborne and ground environmental compliance and high reliability.

The MILTECH™ 610PoE has been especially hardened to improve ingress, impact, and shock/vibration protection, as well as eliminate all moving parts through passive cooling, and interface through sealed MIL-D-38999 circular connectors.





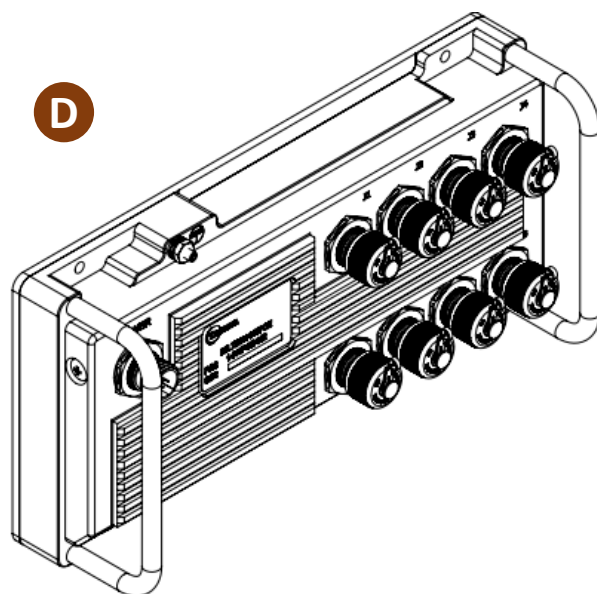
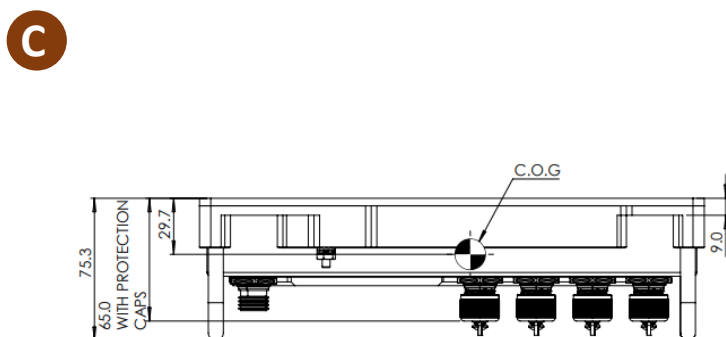
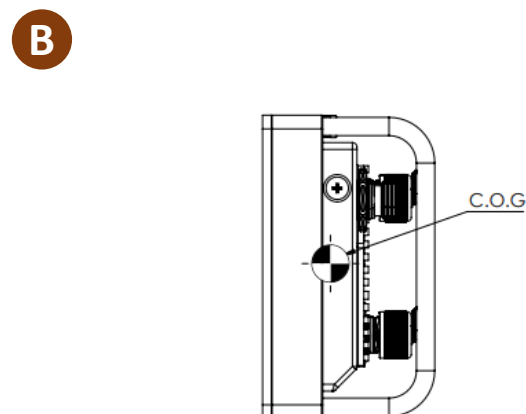
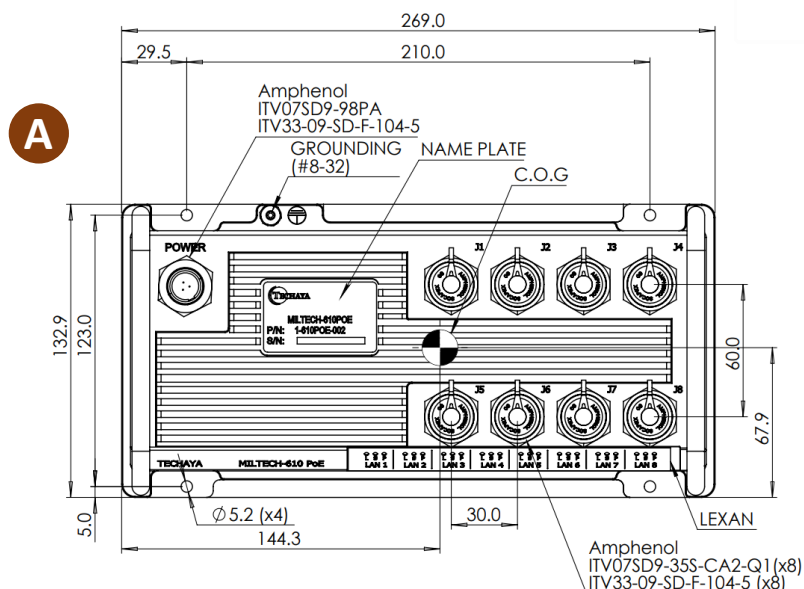
SPECIFICATIONS

ETHERNET PORTS:	8 x 10/100BaseT ports
NETWORKING:	- Full wire-speed forwarding rate - Store-and-forward mechanism - Auto MDI-II, MDI-X - Auto-Negotiation Protocol - Address Look-Up
CONNECTORS:	- Power Connector: D38999/24WA98PA - LAN Connector: D38999/24WA35SN - 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
PERFORMANCE:	128K Byte of SRAM for Frame Buffering 2.0Gbps High-Performance Memory Bandwidth 2LED indication (Speed, Link/Activity) per port - 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 - IEEE 802.3af, IEEE 802.3at
POWER:	- MIL-STD-1275B & MIL-STD 704A Surge and Spike protection - Voltage Input: 24Vdc Nominal (18-32V) - Power Consumption: 6W Typical - Chassis grounding
PoE:	- Total PoE Budget 240W - Maximum Consumption per port 30W - Dynamic Power Allocation - PoE Priority per port - Full Comply to IEEE 802.3af, IEEE 802.3at - No Power Degradation at +85°C - Operates from Regular Military 24Vdc - No need for additional PoE 48Vdc Input - Optional GUI/Web Application for PoE Management
ELECTROMAGNETIC:	- Tested for MIL-STD-461E Electromagnetic compatibility - CE-101, CE-102, CS-101, CS-114, CS-115, CS-116, RE-102, RE-101, RS-103
SHOCK/VIBRATION/ HUMIDITY:	- Tested for MILSTD-810F: Random vibration (514.5I, Cat 20) Bench Handling (516.5VI) High Temp.(501.4I,II) Low Temp.(502.4I,II) Humidity (507.4-1) Immersion (512.4I) Salt fog (509.4I) Blowing Dust (510.4I) Loose Cargo Vibration (514.6II, Cat 5) Mechanical Shock (516.5I) Low pressure (Altitude) (500.4I,II,III) Temperature Shock (503.5I-C) - IP 67



SPECIFICATIONS

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:	• Four 4x5.2 mounting holes on bottom for mounting to any flat surface
COOLING:	• No Moving Parts. Passive Cooling
OPERATING TEMP:	• -40°C to +85°C (-40°F to +185°F) - Cold Start-Up
STORAGE TEMP:	• -40°C to +85°C (-40°F to +185°F)



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
1-610PoE-002	MILTECH610, military Rugged, 8 x PoE+ 10/100TX, Switch
2-CBL610PW3M	Power cable MILTECH610, MIL-D-38999 Connectors, 3 meter length
2-CBL708LN3M	LAN Cable for MILTECH610, MIL-D-38999 to RJ-45 Connectors, 3 meter length
800-H-0610-000	CARRYING HANDLES KIT FOR MILTECH610