

MILTECH™ 304

Compact, Portable Military Fast Ethernet Switch

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.

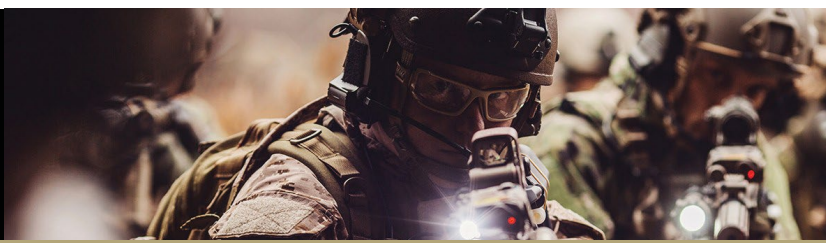
The MILTECH 304's ultra-compact, IP68 rugged construction, and Fast Ethernet make it the ideal switching solution for command post, man packable and UAV systems. Its four 10/100Mbps ports are plug-n-play with all Ethernet equipment and provide network connectivity for most portable Ethernet devices, including:

- Helmet-mounted heads-up displays
- Computers
- Navigation devices
- Communications systems
- IP-based sensors

With the best combination of size, weight, power and cost (SWaP-C) in the industry, the MILTECH 304 reduces load on the soldier, providing more space for equipment that increases effectiveness and survivability.

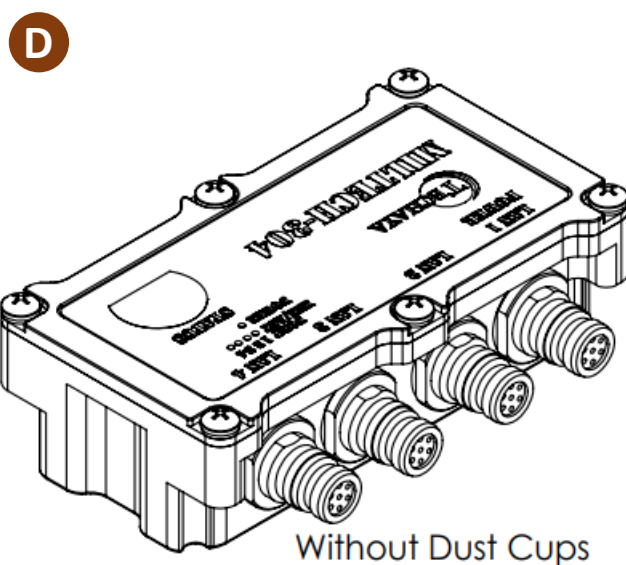
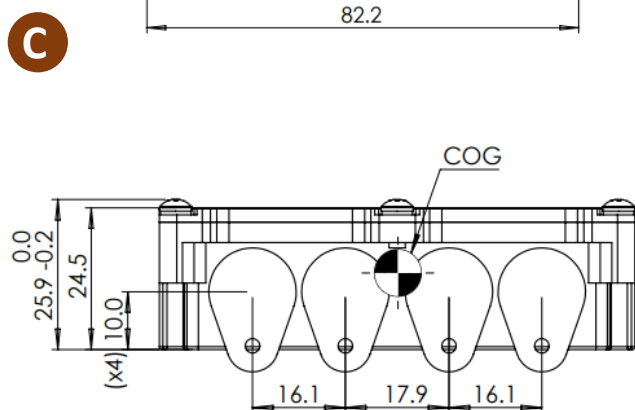
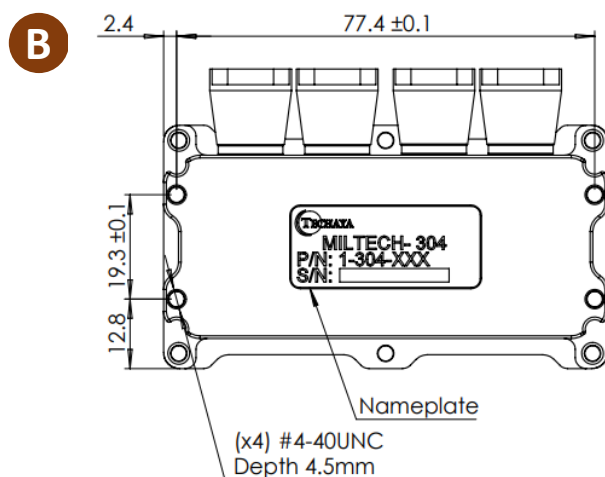
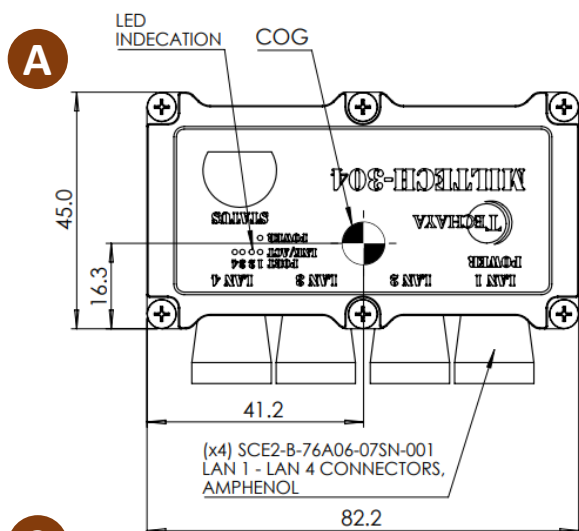
The MILTECH 304 operates on a wide range of readily available 5-28VDC power and may easily be powered from computers and other devices with USB ports. The MILTECH's mechanical packaging enhancements, including ruggedized SCE2 circular connectors, is designed for MIL-STD-810F airborne and ground environmental compliance and high reliability. Leveraging best-in-class switching technology, the MILTECH 304 serves as a robust commercial off-the-shelf (COTS) solution for rugged LAN connectivity.





SPECIFICATIONS

ETHERNET PORTS:	4 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: SCE2-B-76A06-07SN-001 - LAN Connector: SCE2-B-76A06-07SN-001 - LED Indication Per Port (Link/Activity)
CHASSIS	- 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	MILSTD-461E, MILSTD-810F/G/GM, IP68
PERFORMANCE	128K Byte of SRAM for Frame Buffering 2.0Gbps High-Performance Memory Bandwidth - Wire-Speed Reception and Transmission
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	- Voltage Input: 5-28VDC - Supports USB Sourcing - Power Consumption: 2W Typical - Chassis grounding
ENVIRONMENTAL	- 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), Blow- ing Dust (510.5I), Loose Cargo Vibration (514.6II), Wind Analysis, Acoustic Noise. - IP68
ELECTROMAGNETIC	- MIL-STD-461E Electromagnetic compatibility - CE-102, CS-114, CS-115, CS-116, RE-102, RS-103
PHYSICAL	- Dimensions: 82.2mm (L) x 53(W) x 26(H), Not including connector Dust Caps - Weight: 130g – Not including dust caps
INSTALLATION	- Portable, 4 screws for mounting to any flat surface 4 x 4-40 UNC screws with locking helicoils
COOLING	No Moving Parts. Passive Cooling
OPERATING TEMP	-45°C to +85°C (-49°F to +185°F) – Cold Start-Up
STORAGE TEMP	-51°C to +85°C (-60°F to +185°F)



ORDERING INFORMATION

PART NUMBER	DESCRIPTION
1-304-000	MILTECH 304, 4 x 10/100BaseT MIL-STD rugged switch
2-CBL308LN3M	LAN Harness for MILTECH308/304 MIL-SCE circular connector to RJ45 , 3-meter length
2-CBL918TSNLAN	Power + LAN Harness for MILTECH308/304 MIL-SCE circular connector to RJ45 and 2 wire , 3-meter length