



MILTECH™ 918

Compact, Portable Military Managed Gigabit Ethernet Switch

FEATURES

One of the most exciting advancement in technology over the last decade has been unmanned vehicles including:

- Unmanned aerial vehicles (UAVs) or Drones
- Land autonomous vehicles (UGVs)
- Robots
- Other unmanned support vehicles

These vehicles must be agile, compact and highly intelligent. In order to support this sophisticated intelligence, these platforms may have to carry and connect a variety of Ethernet-based devices including computers, sensors, and targeting systems—all in compact platforms that must operate in extreme environmental conditions. The MILTECH918 is an ideal Ethernet switching solution for these rugged environments. With the best combination of size, weight, power and cost (SWaP-C) in the industry, it saves valuable real estate and payload.

The 918 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, never before found in a package of this size, include switching protocols, virtual LANS (VLANS), traffic prioritization (QoS), and bandwidth aggregation are standard.

The MILTECH918's gigabit speeds and 24VDC power make it instantly compatible with any network device and power systems. Its 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 from Techaya, the MILTECH 918 serves as a robust commercial off-the-shelf (COTS) solution for rugged LAN connectivity.

SPECIFICATIONS

ETHERNET PORTS	<ul style="list-style-type: none"> • Managed 8 x switched 10/100 /1000 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: SCE2-B-76A06-075N • LAN Connector Type: SCE2-B-76A07-145N-001 • Management RS-232 Type via Port #1 • LED Indication Per Port (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-461E, MIL-STD-810F GM, IP68, MILSTD-1275, MILSTD-704
VOLTAGE OPERATION	<ul style="list-style-type: none"> • Nominal 24VDC (16~36)



