DuraNET 1059

Rugged 5-Port 10/100 Ethernet Switch, Unmanaged

- Plug and Play Unmanaged Device
- 5 Unmanaged Fast Ethernet Switch Ports
- Tested to MIL-STD-810F
- Power Consumption: <8W
- Weight: 1.9lbs (0.86 kg)
- Operating Temperature: -40°C to +85°C



FEATURES

ETHERNET PORTS

- Five Auto-Detecting 10/100BaseT Ethernet Ports
- Auto-MDI/MDIX Crossover 100BaseTX/10BaseT
- Auto-Sensing of Full or Half Duplex on Each Port
- Auto-Negotiation Between 10BaseT & 100BaseT
- Any Port Can Serve as Uplink for Network Expansion

SWITCHING

- Pause frame-based non-blocking switch fabric
- · Five fully independent media access controllers
- Integrated 512 Kb frame buffer memory
- 1,024 MAC address look-up engine
- Store-and-forward switching

MANAGEMENT

Unmanaged Switch; No Configuration Required

MECHANICAL

- Compact Metal Enclosure
- Conductively Cooled to Outer Case
- Ingress Protection from Sand, Dust, Moisture
- Anodized Coating for Durability
- Connectors: MIL-C-38999 (Ethernet, Power)

MIL-GRADE

• Qualified to Meet MIL-STD-810F Environmental (Shock, Vibration, Temperature)

POWER

- Vehicle Grade DC/DC Converter
- Voltage/Surge Protection and EMI Filtering
- MIL-STD-704E Compliant



The DuraNET® 1059 is a rugged unmanaged Ethernet switch node designed to provide local area network (LAN) connectivity to IP-enabled computers and other net-centric devices. Weighing in at less than 2lbs and hardened with a black anodize finish, internal heatsinking and MIL-38999 connectors, this enclosed Fast Ethernet switch unit serves as a highly reliable, compact solution for expanding port density to DuraMAR mobile routers and other netcentric solutions.

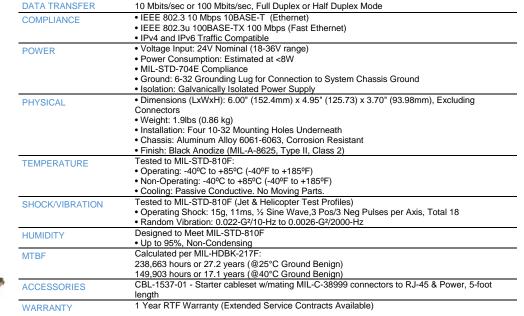
Featuring five IEEE 802.3/u complaint (10/100mpbs) Ethernet transceiver ports and support for auto-MDI-MDIX network installation, the robust DuraNET 1059 requires no configuration and is designed for simple plugand-play operation. Any of its five transceiver ports are flexibly designed to serve as an uplink. Support for auto-crossover, auto-polarity, autonegotiation, and bridge loop prevention are all integrated.

The DuraNET 1059's galvanically isolated power supply and Ethernet switch components support operation from -40°C to +85°C, as well as tolerance to MIL-STD-810F shock and vibration profiles experienced by helicopter and fixed wing aircraft. Its miniature form factor, low power consumption, and lightweight chassis make the DuraNET 1059 an ideal Commercial-Off-the-Shelf (COTS) solution for unmanned/manned airborne or ground vehicle networking applications.

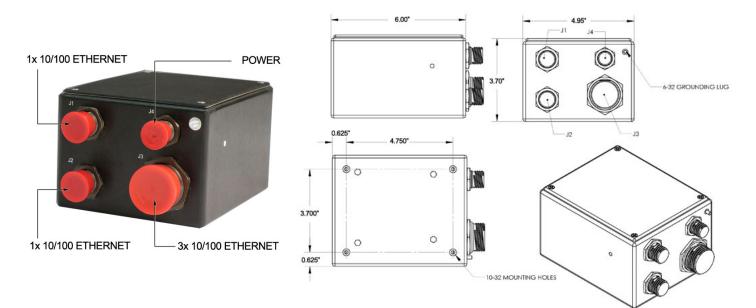
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Specifications





Optional Starter Breakout Cableset



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