

WIRELESS

## RES REMOTE ETHERNET SWITCH

Reliable in the Extreme



# MYMILTOPE

The VT Miltope Remote Ethernet Switch (RES) can be mounted in bulkheads, on walls or on ceilings in close proximity to network components. This fully ruggedized managed switch is a highly reliable, cost effective solution for expanding an aircraft or vehicle network while meeting all of the demands of the operational environment. My Miltope!

### RES Features and Functions:

- State-of-the-art Commercial Off-the-Shelf (COTS) hardware
- Matches ARINC 763 specifications for TWLU/CWLUs
- Employs Gigabit Ethernet for its server connection
- Small size and light weight
- Offers a variety of installation options
- IEEE 802.3 compatible Ethernet ports are auto-detecting, auto-crossover, auto-polarity
- Requires no active cooling system, and has capabilities for built-in diagnostics reporting

## SPECIFICATIONS

### PROCESSOR:

32-bit ARM embedded processor running at 50MHz

### OPERATING SYSTEM:

Linux®

### STORAGE:

32 MB flash memory

### INTERFACES:

Ten Ethernet Ports - two 10/100/1000BaseT, eight 10/100BaseT

### PHYSICAL:

Dimensions 11.5" x 6.97" x 2.4"; Weight <5 lbs.

### POWER:

Dual mode power supply capable of operating from 115 VAC, 47 to 63 Hz or 28 VDC power with a 200 ms holdup capability for power interruptions

## ENVIRONMENTALS

### TEMPERATURE:

MIL-STD-810F, Method 501.4/502.4, Procedure I and II; Operating Cold start @ -40°C to +55°C (0°F to 131°F); Non-Operating -55°C to +85°C (-67°F to +185°F)

### SHOCK:

MIL-STD-810F, Method 516.5, Procedure I; operates during and after 20G, 11 ms terminal-peak sawtooth shock pulses

### CRASH HAZARD:

MIL-STD-810F, Method 516.5, Procedure V, 40G, 11 ms terminal-peak sawtooth shock pulses

### VIBRATION:

MIL-STD-810F, Method 514.5, Procedure I Category 4, Annex A, Composite wheeled and tracked vehicles, Figure 514.5C3 operational

### ALTITUDE:

MIL-STD-810F, Method 500.4, Procedure I and II; Operating sea level to 15,000 feet; Non-Operating sea level to 40,000 feet

### ACCELERATION:

MIL-STD-810F, Method 513.5, Procedure III, Continuous acceleration values up to and including 40G

### RAPID DECOMPRESSION:

MIL-STD-810F, Method 500.4, Procedure III, Operates during and after a decompression from 8,000 feet (2,438m) to 40,000 feet (12,192m) within 15 seconds.

### HUMIDITY:

MIL-STD-810F, Method 507.4, Procedure I and II; Relative humidity Operating 0% to 100%; Non-Operating 0% to 100% - minimum 10 each, 24 hour cycles with an operational test performed every two days

### EMI/ESD/HEMP

MIL-STD-461E, RE101, RE102, RS103, CS101, CS114, CS115, CS116, CE101, and CE102