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TELECOM



VOYAGER EMm

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VoyagerEMm is an integrated Radio over IP (RoIP) system with interfaces for radio, Ethernet and handset audio. With ultra-low power requirements, VoyagerEMm is ideal for battery powered applications where SWaP is critical.

VoyagerEMm provides four E&M radio interfaces for connection of audio for push-to-talk (PTT) radios. Three Ethernet ports are also available along with a handset/headset/speaker connector for handsets such as the military H-250.

The VoyagerEMm is designed for use in austere environments and is housed in a ruggedized chassis with dust caps on all ports leveraging Cistech Solutions technology.



Figure 1: VoyagerEMm Front View



Figure 2: VoyagerEMm Rear View

Key Features:

- Four RJ-45 radio ports supporting Press to Talk (PTT) and Squelch (SQL) functions
- Low power consumption
- Data and power backplane to simplify cabling
- Lightweight aluminum construction
- Two Ethernet ports on the front panel and one on the rear panel
- Support for a handset/headset/speaker such as the H-250
- Toggle switch allows switching between radio 1 - 4 and adjusting the volume level

Specification

Physical Specifications

- 7.4" W x 5.7" L x 1.0" H (188 mm x 145.2 mm x 26 mm)
- 2.2 lb / 1.0 kg

Electrical Specifications

- 10 - 18 VDC Input for operation
- Power consumption: 2 Watts

Construction

- Integrated aluminum chassis with dust caps

Operating Temperature

- -25°C to 60°C

E&M

- Frequency response selectable for 300 Hz to 3.4 KHz or Wideband 200 Hz to 20 KHz
- Tx Audio
- Rx Audio
- Press to Talk (PTT)
- Squelch (SQL)

Ports

- 2 x Ethernet RJ-45 on front
- 1 x Ethernet Mill-Max on rear
- 1 x Console RJ-45 Management port
- 4 x E&M RJ-45 radio ports
- 1 x H-250 Handset connector

Compliance

Designed to meet:

- MIL-STD-810G
- MIL-STD-461E
- FCC Part 15B