

# MESHnet® Communications Selector Box

## *Core Platform Networking*



**Secure Communications  
Superiority Anywhere, Anytime**

The MESHnet® Communications Selector Box evolves & enhances accessing, sharing & management of voice and data for users and platforms under extreme conditions.

Delivering benefits of modern office capabilities to the field in a qualified military specification package, designed to survive harsh environments.

Installations can be scaled to any role including: single user hub, multiple user fits mounted to crewed platforms, or as a command/operations centre backbone.

### **Features:**

- Local Area Network (LAN) and integral 100 Mbps Ethernet.
- DHCP server, OSPF routing, DSCP-based Quality of Service (QoS) & inter-vehicle data exchange.
- Support a wide selection of monaural/binaural audio accessories.
- Management feature to save volume levels & assignment of audio sources to left/right or both ears.
- Data ports support Ethernet, serial & USB.
- Support connection of radio for wireless of platform voice/data exchanges.
- Automatic detection of radio connection/availability & assignment.
- Interconnecting CSB units accesses six radios; the faceplate rotary switch selects a service & allows pressel control.
- CSB Intercom and alarms.
- Data terminal audio, delivers prompts/alarms from software tools, or permit use.

# Technical Information

## Interfaces

**L1 Port** – Ethernet, Power In, RS232, Analog Intercom

**H1 Port** – Audio I/O, Power Out, PTT, Auxiliary Audio, USB 1.1

**D1 Port** – Ethernet, RS232, RS232/422, Analog Intercom, USB, Alarms

**R1 Port** – Data I/O, Power Out, Audio I/O, PTT, RS232

## Power

15 to 40 VDC (MIL-STD-1275B/QTSAG 307 and DEFSTAN 61-5 Part 6)

Power consumption - 22 Watts

## Reliability

Mean time between failure (MTBF) greater than 10,000 hours

## Physical Characteristics

Height 106 mm (4.17")

Width 180 mm (7.08")

Depth 152 mm (5.98")

Weight 2 kg (4.41 lbs)

## Environmental Specifications

Operating Temperature -40°C to +63°C (-40°F to 145°F)

Storage Temperature -51°C to +71°C (-60°F to 160°F)

MIL-STD-810F compliance for vibration, transit drop, salt fog, sand and dust, rain, fluid contamination, immersion, NBC decontamination, fungus, and altitude

## Electromagnetic Effects

MIL-STD-461E compliance for Electrostatic Discharge (ESD) and TEMPEST

## Best-of-Breed Confidence

General Dynamics is a distinguished worldwide provider of ruggedized electronic equipment designed and qualified to withstand operation in the most extreme environments. Our products are field proven and trusted globally for robustness and reliability.

The product described here represents a general configuration of this family of products. Specifications are configurable for specific customer requirements. For pricing and availability please contact your General Dynamics representative.