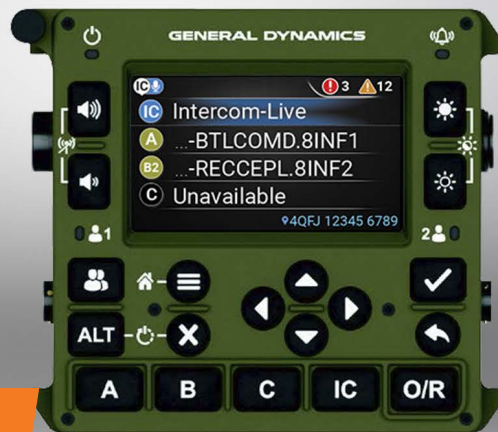


MESHnet® V6 TCS-300

Tactical Crew Station



**Secure Communications
Superiority, Every Time**

The TCS-300 is a rugged, two-user, crew station with a high-resolution Graphical User Interface (GUI) for tactical vehicles.

Providing mission critical voice, data, and audio services as well as network & radio interfaces in a SWaP-C effective package.

Wide-range of open-standard inputs/outputs allow seamless integration with legacy and GVA or VICTORY databus compliant vehicles.

Designed and tested for operations in the most demanding tactical environments.

Features:

- 4.3" sunlit-readable display.
- Quick access keys to most commonly used services.
- Mission-critical vehicle intercom service, and Voice-over-IP (VoIP) for intra and inter-vehicle Communities-of-Interest.
- Alarm generation and display, and platform management and status monitoring.
- Embedded Gigabit Ethernet switch.
- Layer 3 IP routing capability.
- Open-standards IP-based architecture, and easily customized Linux software base.
- Expansion provisions enable future capability growth.

Technical Information

Hardware Specifications

2 x audio ports:	Support binarural Active Noise Reduction (ANR) headset, amplified loudspeaker and other audio devices Dual Press-To-Talk (PTT) USB 2.0 Host/On-The_Go
Radio/data port:	Supports single and two-channel radios, data terminals and other digital devices (e.g., GPS receiver) 1x 10/100/1000 Ethernet 2x audio in/out Dual PTT 1 x RS232/RS422 4 x general purpose input GPS Pulse Per Second (PPS) I/O
LAN/power port:	Supports network and power distribution between multiple TCSs and TMR 2 x 10/100/1000 Ethernet LAN MIL-STD-1275E vehicle power Instant on, analogue emergency intercom

Displays & Controls

4.3" Liquid Crystal Display (LCD)
Status LEDs
Backlit keypad for service quick access and display navigation
Brightness control
Volume control

Physical Characteristics

Height 104 mm (4.09")
Width 180 mm (7.09")
Depth 152 mm (6.00")
Weight 2.6 kg (5.73 lbs)

Environmental Specifications

Operating Temperature:	-40°C to +60°C (-40°F to +140°F)
Storage Temperature:	-51°C to +80°C (-60°F to +176°F)
Vibration:	MIL-STD-810G Method
Electromagnetic Effects:	MIL-STD-461E

Power

MIL-STD-1275E, 19W nominal (no audio ancillary power draw), peak 38W

Reliability

MTBF greater than 10,000 hours
MIL-HDBK-217F, Ground Mobile
Environment @ 25 °C

The crew station described here represents a general configuration of this family of products. Specifications are configurable for specific customer requirements. For pricing and availability interfaces, casings, connectors and other information, please contact your General Dynamics representative.