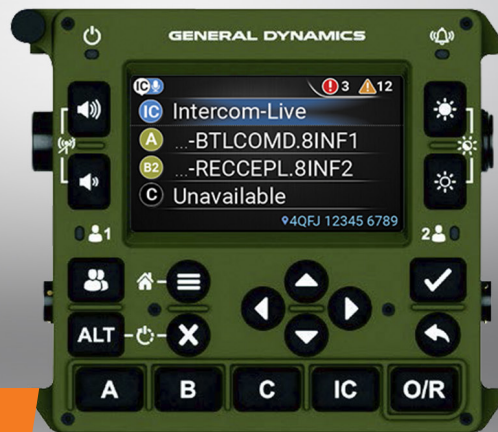


MESHnet® TCS-300

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:

- Supports two independent users
- 4.3" sunlight-readable displays
- Mission-critical vehicle intercom service
- 'Instant on' analogue emergency intercom mode
- VOX/PTT activated digital intercom

Technical Information

Hardware Specifications

2 x audio ports:	Supports binaural Active Noise Reduction (ANR) headset, loudspeaker and other audio devices
	Dual Press-To-Talk (PTT) USB 2.0 Host/On-The-Go (OTG)
Radio/data port:	Supports single and two-channel radios, data terminals and other digital devices (e.g., GPS receiver)
	1 x 10/100/1000 Ethernet 2 x 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

Mean Time Between Failure (MTBF) greater than 10,000 hours
MIL-HDBK-217F, Ground Mobile Environment @ 25 °C

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 tactical environments. Our MESHnet® Family of products is field proven and trusted globally for robustness and reliability.

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.