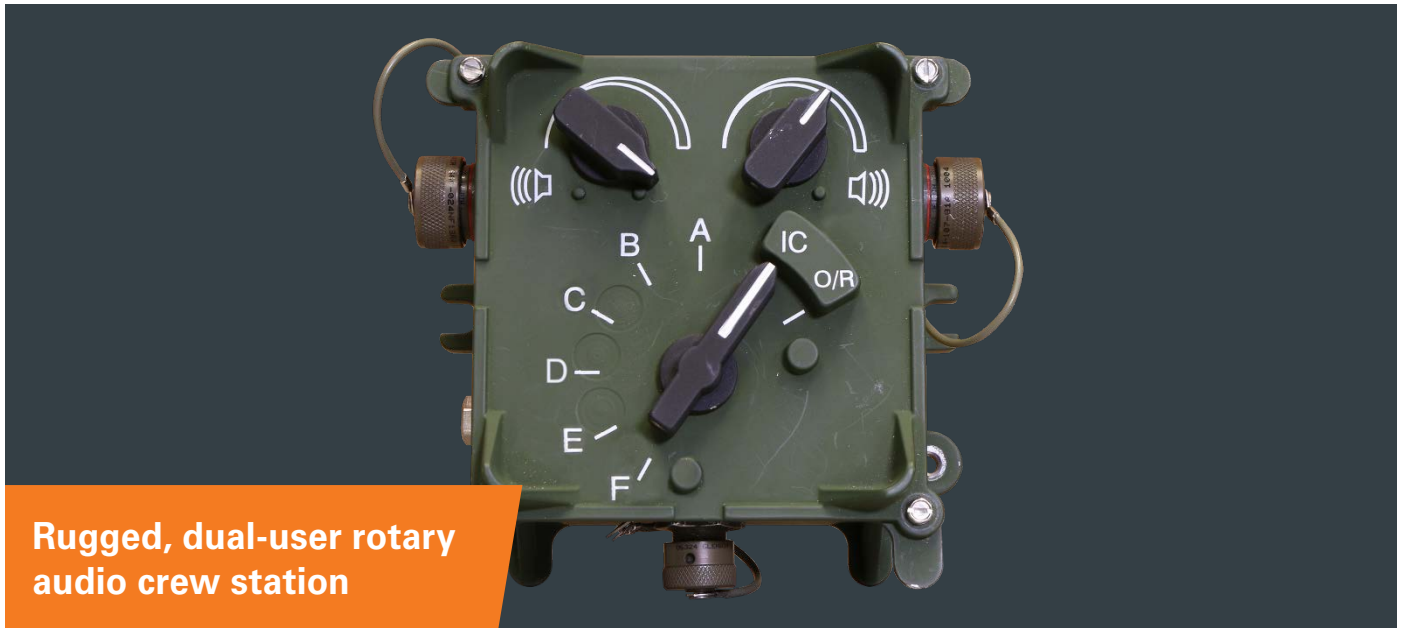


MESHnet® V6 RCS-300

Rotary Crew Station 300



Rugged, dual-user rotary audio crew station

The MESHnet® V6 Rotary Crew Station 300 (RCS-300) is a rugged dual-user rotary controlled audio crew station device for tactical vehicles.

Highly integrated LRU enabling electronic architectures, Ethernet interface, vehicle intercom and combat net radio access for tactical users.

Open-standard interfaces allow seamless integration with wide range of audio ancillaries, radios and data terminals.

Features

- Supports two independent users
- Easy to use rotary dial to monitor up to six radio voice channels/talk groups and talk on selected channel/group
- Live or pressel-activated intercom
- 'Instant on' emergency intercom channel during startup and in event of digital system failure
- Audio filtering, noise cancellation, and echo cancellation capabilities

Technical Information

Interfaces:

- 2 x audio ports:
 - Binaural Active Noise Reduction (ANR) headsets, loudspeaker and other audio devices
 - Dual Press-to-Talk (PTT)
 - USB 2.0 Host/On-The-Go (OTG)
- Radio/data port:
 - Single and two channel radios, data terminals and other digital services
 - 1 x 10/100/1000 Ethernet
 - 2 x audio in/out
 - Dual PTT
 - 1 x RS232
- LAN/power port:
 - 1 x 10/100/1000 Ethernet LAN
- MIL-STD-1275E vehicle power
- Instant on, analogue emergency intercom

Physical Characteristics:

- Height 142 mm (2.59")
- Width 152 mm (5.97")
- Depth 89 mm (3.50")
- Weight 1.06 kg (2.35 lbs)

Environmental Specifications:

- -40°C to +60°C (-40°F to +140°F) operating
- -51°C to +80°C (-60°F to +176°F) storage
- MIL-STD-810G tested for vibration (wheeled and tracked), transit drop, shock, salt fog, sand and dust, fluid contamination, NBC decontamination, immersion, fungus and altitude
- Electromagnetic Effects: MIL-STD-461E, Army Ground platforms

Power:

- MIL-STD-1275E, 15W nominal (noaudio ancillary power draw), peak 30W max (with max ancillaries)

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.

General Dynamics products are based on proven, configurable modules and are available in standard or custom configurations. This product sheet describes many of the options for this product family. For availability and details of specific configurations or for custom requirements, please contact General Dynamics.