

# DHS-201

DIGITAL INTERCOMMUNICATION SYSTEM

FULLY DIGITAL INTERCOMMUNICATION  
FULL SYSTEM REDUNDANCY  
SOFTWARE CONFIGURABLE SYSTEM INTERFACES





# DHS-201

## DIGITAL INTERCOMMUNICATION SYSTEM

DHS-201 is a Digital Intercommunication Systems (ICS). The System provides communication between aircraft crewmembers, managing communication equipments, and integrating audio and intercom facilities together with all audio caution and warning messages.

DHS-201 provides reliable and high intelligible high quality audio communication for noisy military environments. Architecture of DHS-201 provides redundancy of all critical functions.

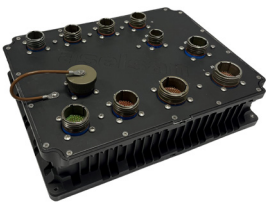
DHS-201 is capable of supporting different pre-programmed ICS configurations. It can be easily configured without any hardware changes.

### Subassemblies

- Digital Audio Control Panel (DACP) (User interface for adjustments and selections)
- Digital Audio Distribution Unit (DADU) (Audio distribution for control panels)



Digital Audio Control Panel (DACP)



Digital Audio Distribution Unit (DADU)

### General Specifications

- Radio Receiver/Transmitter Channels Control
- Navigation Receiver Channels Control
- Controlled and Uncontrolled Direct Receiver Channels Support
- Interphone Channel Management
- Voice Operated Transmit (VOX) Capability
- Sidetone Capability
- Remote Radio Transmit Selection Available for HOCAS Operation
- Radio Relay Functionality
- Voice Recorder Output
- BIT (Built-In Test) Capability
- Tone Generation and Control
- DO-254 Certified Hardware
- DO-178B Certified Software

### Interfaces

- Analog Audio I/O Interfaces
- Serial Interface (RS-232/RS-485/RS-422)
- Discrete I/O Interfaces
- Dual Redundant MIL-STD-1553B Interface

### Physical Specifications

- Dimensions
  - DACP: 76 mm (H) x 146 mm (W) x 179 mm (D)
  - DADU: 260 mm (H) x 200 mm (W) x 75 mm (D)
- Weight
  - DACP: 1.58 kg
  - DADU: 3.08 kg

### Technical Specifications

- Power Input: 28 VDC (Nominal)
- Power Consumption
  - DACP: 12W (Nominal) / 14W (Maksimum)
  - DADU: 24W (Nominal) / 28W (Maksimum)

### Environmental Conditions

- Operating Temperature and Altitude: -40°C / +71°C, 20.000 ft
- Storage Temperature: -54°C / +71°C

### Qualifications

- MIL-STD-461E
- MIL-STD-810G
- MIL-STD-704 A/E