

# AICON | DHS 201

DIGITAL INTERCOMMUNICATION SYSTEM

#Avionics



FULLY DIGITAL INTERCOMMUNICATION  
FULL SYSTEM REDUNDANCY  
SOFTWARE CONFIGURABLE SYSTEM INTERFACES



**aselsan**

# AICON DHS 201

## DIGITAL INTERCOMMUNICATION SYSTEM

AICON 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.

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

AICON 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

