

IDM V304™

Avionics Line Replaceable Unit



Description

Six-channel, network-centric, service-oriented communications terminal for aviation.

Provides digital data connectivity among airborne and ground platforms.

Support legacy and software defined radios

Employs internet technology as a tool in battlespace management.

Uses

Interconnects major military networks in:

- Maneuver & Fire Support
- Embedded Applications
- Situational Awareness

Attributes

Channels

Six

Protocols

- AFAPD
- TACFIRE
- MIL-STD-188-220
- TCP/IP
- MIL-STD-2045-47001

Application Message Sets

- AFAPD F-16
- AFAPD Apache
- MIL-STD-6017 VMF
- TACFIRE
- Blue Force Tracking

IDM V304 Platform

Interface Connections

- MIL-STD-1553B
- Ethernet
- USB
- RS-232

Radio Interfaces

Radios

- ARC-201 (SINGARS)
- ARC-201D (SINGARS SIP)
- ARC-210
- ARC-220
- ARC-231
- ARC-164
- ARC-182
- ARC-186
- EPLRS
- KY-58
- L-Band Transceiver (BFT)

Baseband Modulations

- NRZ
- ASK
- FSK

Hardware

- Receives and transmits messages, and processes configuration commands via MIL-STD-1553B or CORBA over Ethernet
- Mission software loaded via Ethernet Port
- Accepts and filters 28 Vdc from the platform
- MIL-STD-704 C/D

Key Features

Weight

<14lbs

Part Number

81995-DM-001-304

Nomenclature

Modem, Communications
MD-1359/A

NSN

5895-01-493-4396

Size

5.35"W x 7.42"H x
9.03"D

Expansion

3 Spare Slots

Reliability

2000 Hours MTBF

Hardware

Compliance

- MIL-STD-810F
- MIL-STD-461E

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