

# UIDM<sup>®</sup> V2

Modem for Operation Centers and Vehicles



## Description

Two-channel stand-alone tactical router designed for ground and air systems with an ethernet interface.

When coupled with a radio, sends interoperable digital data information to a variety of military assets.

Enables the sharing of accurate and timely information.

Serves as a radio simulator in a training environment.

## Uses

- Close Air Support
- Tactical Air Control Party (TACP)
- Joint Terminal Attack Controller (JTAC)
- Air Support Operations Center (ASOC) Gateway
- Blue Force Tracker (BFT) Gateway
- Situational Awareness and Command and Control Networks

## Software Development Kit

- Software Development Kit: provides users with application development and integration tools
- Network Monitoring Tool
- AMPGUI™: graphical user interface that assists users in configuring the UIDM.

## Interoperable

- F-16
- F/A-18
- AH-64D
- OH-58D
- AV-8B
- AFATDS
- Blue Force Tracking (BFT)
- C2PC
- C2CE
- PFED
- JSTARS
- Tornado
- Eurofighter
- JSF
- USA One System
- UAVs into BFT

## Attributes

### Channels

- Two

### Link Layer Protocols

- AFAPD
- TACFIRE
- MTS
- IDL
- MIL-STD-188-220
- MIL-STD-188-184
- RAW Mode

### Network Layer Protocols

TCP/IP (IP, UDP, TCP, ICMP, SNMP)

### Application Message Sets

- AFAPD
- MIL-STD-6017 VMF
- TACFIRE
- MTS
- IDL

### VMF

- MIL-STD-2045-47001
- MIL-STD-188-220
- Internet Protocol
- N-layer Pass Through
- CAS

### MIL-STD-188-184

- IP Routing Support
- Emails
- Notes

## Host Support

### Host Interface

- Ethernet 10 Base-T

## Radio Interfaces

(Digital and Analog)

### Radios (Examples)

- PRC-117F
- PRC-148 MBITR/JEM
- PRC-152
- RT-1523E (SINGARS)
- PRC-113
- PSC-5
- ARC-201D
- ARC-210
- ARC-231
- ARC-186
- ARC-164
- KY-58
- KY-57
- KY-100
- Other custom radio interfaces

### DCE/DTE Compatible

### Baseband Modulations

- NRZ
  - 2 Channels
- ASK
  - Up to 16kbps asynchronous
  - 1 Channel
- FSK
  - Up to 2400 bps
  - 1 Channel
- PACKET (X.21)

## Key Features

### NSN

5895-01-544-8302

### Hostless

Non-hardware dependent

### Immersible

Up to 1 meter

### Size

- 194mm (7.64") W
- 106mm (4.16") D
- 40.6mm (1.6") H

### Power

2.5W @ +12VDC to +33VDC Typical

### Weight

1.4 lbs (640g)

### Temperature

-40 to 85 C

### Hardware

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

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