

PCIDM[®] V2

Modem for Dismounted or Highly Mobile Systems



Description

16-bit two-channel network interface PCMCIA card.

Supports digital and analog radios.

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

Enables the sharing of accurate and timely information.

Enables existing PC-based applications to extend their capability.

Uses

- Close Air Support
- Situational Awareness and Command and Control Networks
- Tactical Air Control Party (TACP)
- Joint Terminal Attack Controller (JTAC)

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 PCIDM.

Interoperable

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

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

Radio Interfaces (Digital & Analog)

Radios (Examples)

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

Baseband Modulations

- NRZ
 - 2 Channels
- ASK
 - Up to 16kbps asynchronous
 - 1 Channel
- FSK
 - Up to 2400 bps
 - 1 Channel

Key Features

NSN

5895-01-505-1044

Size

- PCMCIA Type II Ext. PC-Card
- 54mm W
- 135mm D
- 5mm-10mm H

Power

+5V, 0.4A, 2W
Typical

Weight

5 oz (142 g) with pigtail

Temperature

-40 to 85 C

Host Support

Device Drivers

- Windows (XP, ME, 2000, NT, 98)
- Linux

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