

*Rugged,
Compatible,
Expandable,
and Powerful*



MRPDA-57 makes it possible to put Navigation Data and Communications capability into the soldier's hand or pocket.

OPERATIONAL APPLICATIONS

- Forward entry device
- Data controller/terminal
- Situational awareness device
- Remote radio control
- Military medical device
- Field computing device
- Biometric Security options
 - Fingerprint matching
 - WWAN options
 - Embedded GPS
- Logistics and data retrieval



UNIQUE MODULAR DESIGN

The Rugged-PDA modular design allows an operator to reconfigure the MRPDA-57 hardware and software for a specific mission without changing the basic unit.



Type A Common Core Computer

- Intel® PXA-270 524 MHz Processor
- 128 MB RAM, 48 MB ROM
- SD Card Slot
- Touch Sensitive Transflective TFT LCD, 65,536 colors (16 bit)
- Serial Port 115 Kb,
- Audio Input/Output
- 1800 mAh Internal Lithium Polymer
- 802.11b WiFi
- Bluetooth
- USB Host (with adapter)



1"

Type C1 includes:

- Common Core Computer
- Two Type II PCMCIA Card Slot
- Additional Battery 3600 mAh Internal Lithium Polymer

GPS includes:

- Common Core Computer
- Single Type II PCMCIA Card Slot
- Additional Battery 3600 mAh Internal Lithium Polymer
- Embedded Military SAASM or Commercial GPS
- Harsh Environment Sealed Dome with GPS Antenna
- Remote GPS Antenna Port
- Military GPS Fill Connector



2.65"
Type C1



2.8"
SATCOM GPS



2.33"
GPS



2.33"
SAASM GPS

External Battery Adapter



- Powers R-PDA
- Recharges internal batteries
- Maintains modular concept
- Holds 10 "AA" Batteries



Military Programs

D-DACT

Dismounted Data Automated Communications Terminal

LHMBC

Light Weight Handheld Mortar Ballistic Computer

CENTAUR

Light Weight Technical Fire Direction System

PFED

Pocket-Sized Forward Entry Device



Photos provided by PM Intelligence & Effects

Features

- Processor.....Intel® PXA-270 524 MHz Processor
- SDRAM Memory.....128 MB
- ROM Memory.....48 MB
- Operating System.....Windows CE 5.0
- Audio.....Loudspeaker Built In
- Microphone.....Built In
- Display.....Touch Sensitive Transflective TFT LCD, 65,536 colors (16 bit),
240 x 320 (QVGA), 2.26 x 3.02 inches (3.8 inches diagonal)
- Power.....Internal Lithium Polymer, External Battery Adapter, AC/DC Charger, DC/DC Converter
- Interfaces (Standard).....Serial Port 115 Kbps
USB Host
Audio Input/Output
802.11b WiFi
Bluetooth

Options

- PC Card slots.....Multiple Configurations via Expansion Modules
- Tactical Modem Protocols.....PCMCIA Internal Dual Channel Communications Controller,
Compatibility MIL-STD-188-220, JVMF, MIL-STD-188-184, Tacfire,
MTS, X.25, 2/4 Wireline
- Tactical Modem Compatibility...Talink 3000 or VDC-600
- GPS.....Embedded Military SAASM GPS or Commercial GPS

Accessories

- AC/DC Charger
- DC/DC Converter (MIL-STD-1275)
- Battery Adapter for Use with AA batteries
- Serial RS232 Cable
- Field Carrying Case
- Display Protective Cover
- NVG Filter
- Customized Domes for Environmental Protection of PCMCIA Cards
- Rugged Shipping Case
- Homeland Security Options

Physical

Dimensions: Type A - 3.6"x 6.1"x 1"
Type C1 - 3.6"x 6"x 2.65"
Commercial GPS - 3.6"x 8"x 2.33"
SAASM GPS - 4"x 8.75"x 2.33"
SATCOM GPS - 5.5"x 5.8"x 2.8"

Weight: Type A - ≤ 15 oz.
Type C1 - ≤ 32 oz.
Commercial GPS - ≤ 30 oz.
SAASM GPS - ≤ 36 oz.
SATCOM GPS - ≤ 61 oz.

Environmental

- Altitude: Operational 15,000 ft., Storage 40,000 ft.
- Operating Temperature: -4°F to +131°F
- Storage Temperature: -31°F to +149°F
- Immersion: 1m of water
- MIL-STD-810F
- EMI: MIL-STD-461D
- CE Mark

*Specifications are subject to change without notice 10.07.05

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