

RPDA-57

Rugged Personal Digital





Photos provided by PM Intelligence & Effects

Rugged, Compatible, Expandable and Powerful

Powerful

Based on the Marvell 520 MHz PXA-270 processor, the RPDA-57 responds to the call for situational awareness applications. The generous 128 MB RAM and 64 or 128 MB Flash Memory provide ample room to run and house many applications in non-volatile memory, providing protection against data loss due to battery drainage. Available in both wireless and non-wireless configurations.

Rugged and Expandable

R-PDA's aluminum construction eliminates many of the reliability concerns associated with handhelds. The waterproof design delivers operability in tough environments never before possible. Optional functionalities can be incorporated into modular "backs", giving you the flexibility you need to support many tasks with one basic computer and change mission profiles "on the move."

Enduring

Depending on your configuration, the R-PDA delivers 1,400 to 5,000 mAhs of continuous battery life. With the optional extended battery adapter, you can use the R-PDA for an extensive amount of operation.

The special "Shelf Mode" power setting helps save battery power when the unit is in storage, awaiting use. The special battery management system translates to more operational hours – when you need them.

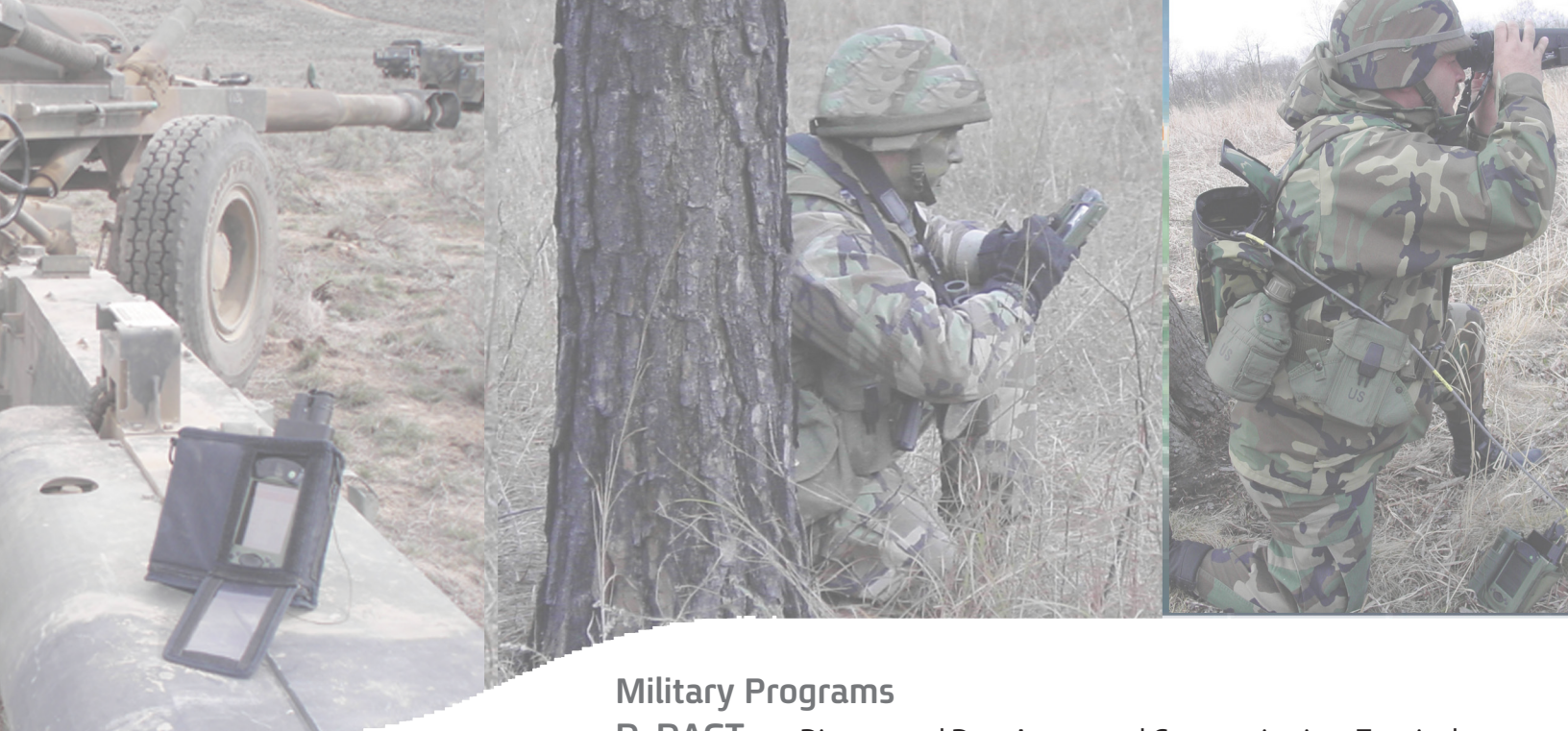
External Battery Adapter

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



UNIQUE MODULAR DESIGN

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



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

Common Core Computer

- Marvell PXA-270 520 MHz Processor
- 128 MB RAM, 64 or 128 MB Flash
- SD Card Slot
- Touch Sensitive Transflective TFT LCD, 65,536 colors (16 bit) QVGA
- Serial Port 115 Kb,
- Audio Input/Output
- 1400 mAh Internal Lithium Polymer
- Provides USB Host and Client
- 802.11b and 802.11g WiFi (optional)



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Features

Processor - Marvell PXA-270 520 MHz

SDRAM Memory - 128 MB

Flash Memory - 64 or 128 MB

Operating System-Windows CE 5.0 or Windows Mobile 6.0

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 1400 mAh, External Battery Adapter, AC/DC Charger, DC/DC Converter

Interfaces:

- Serial Port 115 Kbps
- USB Host or Client
- Audio Input/Output
- 802.11b or 802.11g WiFi (optional)
- Bluetooth (optional)

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 - TACLINK 3000 or VDC-600
- GPS - Embedded Military GPS or Commercial GPS (optional)

Physical Description

Type A	3.6" x 6.1" x 1.5"
Super C	3.3" x 6.2" x 2.6"
GPS	4" x 8.75" x 2.33"
H-RPDA	3.6" x 6.4" x 1.9"
Commercial GPS	4.1" x 8" x 2.45"

Weight:

- Type A - < 22 oz.
- Super C - < 34.6 oz.
- GPS - < 39 oz.
- H-RPDA - < 22 oz.
- Commercial GPS - < 28.4 oz.



Environment Specifications

- Altitude: Operational 15,000 ft., Storage 40,000 ft.
 - Operating Temperature: -40F to +131oF
 - Storage Temperature: -31oF to +149oF
 - Immersion: 1m of water
 - MIL-STD-810F*
 - EMI: MIL-STD-461E*
- *base model certified

Accessories

- AC/DC Charger
- DC/DC Converter (MIL-STD-1275)
- Battery Adapter for Use with AA batteries
- Serial RS232 Cable
- USB Adapter
- Field Carrying Case
- Display Protective Cover
- NVG Filter
- Customized Domes for Environmental Protection of PCMCIA Cards
- Rugged Shipping Case
- RS-232 COM Cables
- SATCOM Modem
- LAN and USB Adapters
- Vehicle Mounts



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