

RPDA-57

Rugged Personal Digital Assistant



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)
- Bluetooth (optional)



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, R-PDA delivers from 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.

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.



Photos provided
by PM Intelligence
& Effects

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

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. 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



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Features

Processor - Marvell PXA-270 520 MHz Processor

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, JVME, 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

Dimensions: Type A - 3.6" x 6.1" x 1.2"

Super C - 3.3" x 6.2" x 2.6"

GPS - 4" x 8.75" x 2.33"

SATCOM GPS - 5.5" x 5.8" x 2.8"

Commercial GPS - 4.1" x 8" x 2.45"

Weight: Type A - < 20 oz.

Super C - < 34.6 oz.

GPS - < 39 oz.

SATCOM GPS - < 61 oz.

Commercial GPS - < 28.4 oz.

Environmental

- Altitude: Operational 15,000 ft., Storage 40,000 ft.
- Operating Temperature: -40°F to +131°F
- Storage Temperature: -31°F to +149°F
- 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



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