

HANDHELD

RPDA-1 RUGGEDIZED PERSONAL DIGITAL ASSISTANT

Reliable in the Extreme



MYMILTOPE

Rugged computing is getting personal with VT Miltope's Rugged PDA. If powerful, mobile performance and multi-mission functionality are what you've come to expect from VT Miltope's ultra-rugged family of computing systems, then look no more. Choose from 3 lightweight configurations – depending on your assignment, and leave the rest to us. My Miltope!



RPDA-1 Features and Functions:

- Three unique hardware configurations enable highly functional expandability
- 4.1" 480x800 sunlight readable touchscreen display
- Dimensions 3.6"W x 6.5"H x 1.2"D; Weight 17 oz
- Tethered stylus
- Developed to meet qualification testing and safety/material release by the US Army
- Industry leading five-year warranty



SPECIFICATIONS

PROCESSOR:

Texas Instruments OMAP™ 3530; ARM® Cortex™ – A8 32-bit processor with up to 600 MHz

OPERATING SYSTEM:

Windows® CE 6.0, Windows® Mobile 6.5, Linux® 2.6.29; Option: Linux® 2.6.32 for Android 2.2 operating system

RAM:

Non-Volatile Memory: NAND based Flash memory provides 16 GB of memory; 256 MB of LPDDR (Low-Power Double-Data Rate) SDRAM (Synchronous Dynamic Random Access Memory)

DISPLAY SYSTEM:

4.1" 480x800 Sunlight Readable Touchscreen

BUTTON CONTROLS:

Four directional buttons which allow navigation; power up/down button; hard/soft reset button; "select" button

POINTING DEVICE:

A tethered stylus is provided with the RPDA-1 and used in conjunction with the touch input of the display for user data selection and entry

INTERFACES:

Power-input, RS-232 UART device, USB 2.0 high speed host, USB 2.0 high speed device, audio; GPS antenna bias power/RF; 802.11 b/g WiFi; ability to internally integrate Bluetooth; SD card slot; TACLINK 3000+ PC Card; SAASM/PPS/COM1

POWER:

Embedded 740 mAh Li-ion rechargeable battery; Hot Swappable 4000 mAh Li-ion rechargeable battery; 110/220 VAC +/- 10%, 50 Hz to 60 Hz +/- 10%

PHYSICAL CHARACTERISTICS:

Dimensions 3.6"W x 6.5"H x 1.2"D; Weight 17 oz (Basic Config.)

ENVIRONMENTALS

TEMPERATURE, OPERATING:

MIL-STD-810F, Method 501.4, Procedure II and Method 502.4, Procedure II (0°F to +125°F)

TEMPERATURE, NON-OPERATING:

MIL-STD-810F, Method 501.4, Procedure I and Method 502.4, Procedure I (-25°F to +150°F)

THERMAL SHOCK:

MIL-STD-810F, Method 503.4, Procedure II; capable of withstanding a non-operational temperature change either 0°F up to +70°F inclusive or +125°F down to +70°F inclusive in no less than 10 minutes

ALTITUDE, OPERATIONAL:

MIL-STD-810F, Method 500.4, procedure II (sea level up to 15,000 feet)

ALTITUDE, NON-OPERATIONAL:

MIL-STD-810F, Method 500.4, Procedure I (sea level up to 40,000 feet)

HUMIDITY:

MIL-STD-810F, Method 507.3, Procedure I

SAND/DUST:

MIL-STD-810F, Method 510.4, Procedures I and II

RAIN:

MIL-STD-810F Method 506.4, Procedures II and III; 1.8"/hr and with winds of no less than 40 mph from any direction

IMMERSION:

MIL-STD-810F, Method 512.2, Procedure I

FUNGUS:

MIL-STD-810F Method 508.5

BENCH HANDLING SHOCK:

MIL-STD-810F, Method 516.5, Procedure VI

TRANSIT DROP:

MIL-STD-810F, Method 516.5, Procedure IV

VIBRATION:

MIL-STD-810F, Method 514.4, Procedure I

EMI/EMC:

RADIATED EMISSION/SUSCEPTIBILITY:

MIL-STD-461E, Method RE-102, and Method RS-103

LIGHTING PROTECTION:

MIL-STD-464, Paragraph 5.4

DIRECT CONTACT OPERATING:

Protected against a direct contact electrostatic discharge while in an operational mode per IEEE STD C62.38-1994 and ANSI C63.16.1993, or IEC 802-1

DIRECT CONTACT NON-OPERATING:

Protected against a direct contact electrostatic discharge while in a non-operational mode per IEEE STD C62.38-1994 and ANSI C63.16.1993, or IEC 802-1

HIGH ALTITUDE ELECTROMAGNETIC PULSE:

MIL-STD-2169B