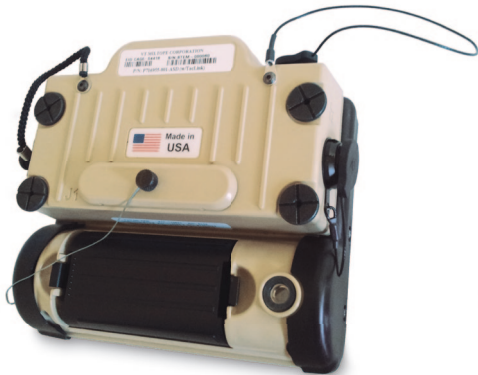


RTHD-2 RUGGEDIZED TACTICAL HANDHELD DEVICE

Reliable in the Extreme



MYMILTOPE

The Rugged RTHD-2 light-weight handheld computer delivers shared situational awareness data to either the dismounted or mounted war fighter for five hours in a single charge. That's reliable. It also brings powerful mobile performance, a 5.0" sunlit readable LCD touchscreen, and multi-mission functionality. That's extreme. In situations where failure comes at a high cost, you realize why so many in the industry refer to VT Miltope as theirs. Make it yours.



RTHD-2 Features and Functions:

- 5" 800x480 WVGA LCD
- Backlight LED display
- 6 interface Buttons
- TI OMAP™ DM-3730 CPU
- 1 GB RAM, 512 MB NAND, 128 MB NOR
- Up to 32 GB Mass Storage (Optional)
- 802.11 b/g/n WiFi
- RS-232 interface (3-Wire)
- USB Host and USB OTG Interfaces
- Expansion Capabilities
- Windows® Mobile, Android™



SPECIFICATIONS

PROCESSOR:

Texas Instruments OMAP™ DM-3730 up to 1GHz
ARM Cortex-A8 core

OPERATING SYSTEM:

Windows® Mobile 6.5.1, Android™ 2.3 and 4.0

RAM:

1 GB @ 200 MHz, 32-bit DDR (LPDDR)

STORAGE:

512 MB NAND, 128 MB NOR, up to 32 GB of mass storage

DISPLAY:

5" 800x480 WVGA color TFT-LCD; LED Backlight;
4-Wire Glass-On-Glass Resistive Touchscreen

DISCRETE BUTTON CONTROL:

6 interface buttons (4 function keys; 1 power, 1 reset)

FEATURES:

Embedded commercial GPS receiver and antenna,
Embedded WiFi 802.11 b/g/n module, Embedded
Bluetooth transceiver, Embedded Taalink (Optional),
Embedded SAASM GPS (Optional), Embedded Digital
Compass, Embedded Accelerometer, Embedded Mass
Storage MicroSD Card, Embedded 5 Mega Pixel Camera.

Custom expansion connector allows the rapid
development of "expansion packs" to meet individual
customer's functional and physical interface needs:
Two USB 2.0 High Speed ports, One RS-232 serial port
(3-wire), One Ethernet port 10/100/1000, One Audio
input/output, One SMBus with HW assisted Interrupt-
One I2C with HW assisted Interrupt, Application level
accessible GPIO, 12V Input Power.

PHYSICAL:

Dimensions: 5.69"W x 4.62"H x 1.85"D; Weight 18.5 oz

POWER:

BATTERY: 4 hours (min.), 5 hour runtime

EXTERNAL POWER: 12V at 3 Amps, "9.5-15V" at
4Amps (1.4 amps max, while operational and
charging)

EXPANSION PORT: USB Host, RS-232, 5V Expansion
Power Output, Auxiliary Input Power, SMBus
Digital Interface

ENVIRONMENTALS

TEMPERATURE, OPERATING:

MIL-STD-810G, Methods 501.5, 502.5, Procedures I and II,
-18°C to +60°C

TEMPERATURE, NON-OPERATING:

MIL-STD-810G, Methods 501.5, 502.5, Procedures I and II,
-32°C to +66°C

ALTITUDE:

MIL-STD-810G, Method 500.5, Procedures I and II
15,000 feet operating, 40,000 feet non-operating

THERMAL SHOCK, OPERATING:

MIL-STD-810F, Method 503.4, Procedure II – Cyclic,
-32°C to +66°C within 10 min

HUMIDITY, OPERATING:

MIL-STD-810G, Method 507.5, Procedures II
10% to 95%; non-condensing, 23°C to 60°C, 5 cycles of 48 Hr.

TRANSIT DROP:

MIL-STD-810G, Method 516.5, Procedure IV; Drop each
face, edge, corner (26 drops total) 3 ft onto 3/4" plywood

SAND/DUST:

MIL-STD-810G, Method 510.5, Procedures I and II;
Blowing dust at 40 mph for 30 min; Blowing sand
at 20 mph for 30 min

RAIN:

MIL-STD-810G, Method 506.5, Procedure I;
1.8"/hr @ 20 mph winds; All directions, all sides; 30 min

BENCH HANDLING:

MIL-STD-810G, Method 516.5 Procedure VI; 4" drop
onto wooden bench, 4 drops each face

MINIMUM INTEGRITY VIBRATION:

MIL-STD-810G, Method 514.6, Procedure I; Category 24
(Minimum Integrity), Figure 514.6E-1

EMI/EMC:

MIL-STD-461F, RE102: paragraph 5.17, Army Ground;
RS101: paragraph 5.19, Army Applications; RS103:
paragraph 5.20, Ground Limit, 2 MHz to 40 GHz @ 50
V/m, Table VII; CE102: paragraph 5.5; CS101: paragraph
5.7; CS114: paragraph 5.13, Table VI Ground Army and
Shipboard All Ships Column; CS115: paragraph 5.14;
CS116: paragraph 5.15