

RTHD-3 Rugged Tactical Handheld Device



The Rugged RTHD-3 light-weight handheld computer delivers shared situational awareness data to either the dismounted or mounted war fighter. It brings powerful mobile performance, a 6.0" HD LCD sunlight readable touchscreen, and multi-mission functionality. In situations where failure comes at a high cost, Miltope's tried and true rugged line is there to ensure mission success.

Features and Functions:

- 6" 720x1440 HD LCD
- 800 nit sunlight readable display with NVIS option
- Programmable Soft Keys
- i7CPU, 16 GB RAM, 512 GB Mass Storage
- Windows® 10 IoT Enterprise/ Linux / Android
- USB 3.0, USB C, GigE, RS-232 interfaces
- Expansion Capabilities
 - Embedded GPS SAASM w/ M-CODE
 - Embedded Tactical Modem (Taclink or Ultralink)
- WiFi 802.11ac, 2.4GHz/5GHz, Bluetooth, 4G LTE/AWS
- Supports push-to-talk
- Fully Rugged: MIL-STD 810, IP-65



* Shown with Expansion module for SAASM GPS and Tactical modem



Power
NVIS/Daylight



Push to Talk
Instant Off



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www.mymiltope.com

RTHD-3

Ruggedized Tactical Handheld Device

Specifications

| | |
|---|--|
| PROCESSOR | I7 Amber Lake 1.20/4.5 GHz |
| OPERATING SYSTEM | Windows® 10 IoT Enterprise / Linux / Android |
| RAM | 16GB DDR4 (LPDDR) |
| STORAGE | 512 GB of Solid State Mass Storage |
| DISPLAY | 6" 720x1440 HD LCD 800 nit Sunlight Readable Display with NVIS option |
| DISCRETE BUTTON CONTROL | 1 Power Button, 1 Brightness Button 1 Instant On/Off Button Programmable soft keys |
| INTERFACES | LAN 10/100/1000, USB 3.0 Type A, USB Type C, Speaker / Mic |
| FEATURES | Rear expansion interface allows the rapid development of integrated modules and additional I/O and to meet individual customer's functional interface needs: Some Options include: Embedded Commercial GPS receiver and antenna, Embedded Military GPS SAASM w/M-CODE Embedded Tactical Modem (TacLink or Ultralink) Embedded WiFi 802.11ac, 2.4GHz/5GHz, Bluetooth, 4G LTE/AWS |
| Baseline system | Dimensions: 7.34"W x 3.39"H x .96"D; Weight 1.4lbs |
| With Embedded GPS SAASM / Tactical Modem | Dimensions: 7.34"W x 3.39"H x 1.96"D; Weight 1.8lbs |
| POWER | BATTERY: Hot Swappable Battery, 3100mAh, 4 hour runtime EXTERNAL POWER: Input: 100 – 240V AC; Output: 20V DC |

Environmentals

| | |
|-----------------------------------|---|
| TEMPERATURE, OPERATING | MIL-STD-810H, Methods 501.7, 502.7, Procedures I and II, -32°C (on external power) -28 (on bat) to +60°C |
| TEMPERATURE, NON-OPERATING | MIL-STD-810H, Methods 501.7, 502.7, Procedures I and II, -51°C to +71°C |
| ALTITUDE | MIL-STD-810H, Method 500.6, Procedures I and II 50k feet operating/non-operating |
| THERMAL SHOCK, OPERATING | MIL-STD-810H, Method 503.7, Procedure II – Cyclic, -32°C to +66°C within 10 min |
| HUMIDITY, OPERATING | MIL-STD-810H, Method 507.6, Procedures II 10% to 95%; non-condensing, 23°C to 60°C, 5 cycles of 48 Hr. |
| TRANSIT DROP | MIL-STD-810H, Method 516.8, Procedure IV; Drop each face, edge, corner (26 drops total) 4ft onto 3/4" plywood |
| SAND/DUST | MIL-STD-810H, Method 510.7, Procedures I and II; Blowing dust at 40 mph for 30 min; Blowing sand at 40 mph for 30 min. IP65 |
| RAIN | MIL-STD-810H, Method 506.6, Procedure I; 4"/hr @ 40 mph winds; All directions, all sides; 30 min |
| BENCH HANDLING | MIL-STD-810H, Method 516.8 Procedure VI; 4" drop onto wooden bench, 4 drops each face |
| VIBRATION | MIL-STD-810H, Method 514.8, Procedure I; Category 4: Typical mission/field transportation scenario, Category 20: Ground vehicles - Ground mobile, composite wheel vehicles, and Category 5: Loose cargo |
| EMI/EMC | MIL-STD-461G, RE102: Army Ground; RS101, Army Applications; RS103: Ground Limit, 2 MHz to 40 GHz @ 50 V/m, CE102, CS101, CS114 Ground Army and Shipboard All Ships CS115, CS116 |

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