



RELIABLE IN THE EXTREME.

RTHD-3

WINDOWS® VERSION

RUGGED TACTICAL HANDHELD COMPUTER

Powering Mission Success
in the Palm of Your Hand.

KEY FEATURES



Intel® Core™ i3-
N355 Processor



850 Nit Sunlight
Readable Display



NVIS Compatibility
Option 0-20 nits



Built-in Walkie-
Talkie Capability



Hot-Swappable
Battery Pack



Microsoft
Windows® 10 IoT
Enterprise



16GB RAM
512GB Mass Storage



6" HD LCD
Display



Fully Rugged Design
MIL-STD Complaint



Programmable
Touch Buttons



PRODUCT OVERVIEW

The RTHD-3 Windows® version combines rugged mobility with configurable performance for mission-specific requirements. Designed for demanding operational environments, it offers flexible processor, connectivity, and accessory options that allow the system to be tailored to the needs of the mission. Its sunlight-readable touchscreen, rugged construction, and versatile mounting options provide reliable performance across a wide range of field applications.



SCAN TO
LEARN MORE
ABOUT RTHD-3



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ENGINEERED &
MANUFACTURED
IN THE USA

TECHNICAL SPECIFICATIONS & ACCESSORIES

Explore the technical specifications, connectivity, environmental ratings, and compatible accessories that make the RTHD-3 a dependable solution for mission-critical operations.

SYSTEM

CPU	Intel® Core™ i3-N355, 8-Core, up to 3.9 GHz
Operating System	Microsoft® Windows® 10 IoT Enterprise
RAM	16 GB DDR4 Memory
Storage	512 GB Solid State Drive (SSD)
SD Card Slot	Sealed, Tool-Secured Access
NIST Compliance	NIST Compliant BIOS
Display	6" High-Brightness Touchscreen (850 Nits)
Display Resolution	1440 × 720 HD
Microphone	1 Integrated Microphone (Optional Removal)
Speaker	Integrated Speaker (Optional Removal)
Wireless Features	Wi-Fi & Bluetooth (Optional Configuration)
Switch & Buttons	• 1 Power Button • Day/Night Vision Switch • 2 Push-to-Talk Buttons • 2 Brightness Control Buttons • 2 Programmable Touch Buttons

TACTICAL I/O PORTS

USB Port	1 Type-C; 1 USB-A
Ethernet	Ethernet 10/100/1000MB Base-T LAN
Power	DC Power In

NETWORK INTERFACE

WLAN	WiFi 802.11ax, 2.54/5GHz Dual Band
BT	Yes
Long-Range BT	Yes
GPS	No

AVAILABLE ACCESSORIES

DIGITAL PEN



4-BAY SYSTEM CHARGER



TACTICAL VEST MOUNT



6-BAY SYSTEM CHARGER



BATTERY PACK



QUALITY & RELIABILITY

Designed for mission-critical environments where reliability, durability, and performance cannot be compromised.

RTHD-3

WINDOWS® VERSION

PRODUCT CONFIGURATIONS



MECHANICAL / ENVIRONMENTAL

AC/DC Adapter	Input: 100-240V AC Output: 15V DC, 3A
Battery Pack	Hot Swappable Battery, 7.6V, 3100mAh
Enclosure	ABS + PC plastic and magnesium-aluminum alloy
Dimensions	3.7 x 7.6 x 1.3in/ 95 x 193 x 32 mm
Weight	1 lb/454 g
Durability	IP65 and MIL-STD810G
Regulatory	CE, FCC Class B, RoHS, UL
Humidity	0% - 90% non-condensing
Temperature	Operation: 0°~50°C (32°F~122°F) Storage: -20°C~60°C (-4°F~140°F)



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RUGGED SYSTEMS

RELIABLE IN THE EXTREME.

RTHD-3

ANDROID™ VERSION

RUGGED TACTICAL HANDHELD COMPUTER

Lightweight, rugged, and
configurable for mission-specific
operational needs.



KEY FEATURES



**Qualcomm® 8-Core
Processor**
1.9 GHz to 2.7 GHz



**6" High-Brightness
Display 850-Nit
Touchscreen**



**Optional Night
Vision Screen**



**24-Pin Fischer
Connector**



**Hot-Swappable
Battery Pack**



**Android™ 13
Operating System**



**8 GB RAM
256GB Flash Storage**



Wi-Fi 6E



**Fully Rugged
Design**



**ARM® TrustZone®
Built-In Security**

PRODUCT OVERVIEW

The RTHD-3 Android™ version delivers lightweight, mission-ready computing in a compact, fully rugged handheld platform. Powered by a Qualcomm® 8-core processor running Android™ 13, it combines high-brightness viewing, Wi-Fi 6E connectivity, secure platform architecture, and flexible tactical I/O to support mission-specific operational requirements in demanding environments.



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TECHNICAL SPECIFICATIONS & ACCESSORIES

Explore the technical specifications, connectivity, environmental ratings, and compatible accessories that make the RTHD-3 Android™ version a dependable solution for mission-critical operations.

SYSTEM

CPU	Qualcomm® 8-Core (1.9 GHz–2.7 GHz)
Operating System	Android™ 13
Memory	8GB RAM / 256 GB Flash Storage
SD Card Slot	Sealed, Tool-Secured Access
NVIS Compatible	0 to 20 NITS
Display	6" High-Brightness Touchscreen (850 Nits)
Display Resolution	1440 × 720 HD
Microphone	Built-In Microphone (Optional Removal)
Speaker	Built-In Speaker (Optional Removal)
Switch & Buttons	• 1 Power Button • 2 Brightness Control Buttons • 2 Programmable Buttons

TACTICAL I/O PORTS

Port	Description
Fischer Configuration	24-Pin Fischer MiniMax Connector
USB Configuration	USB Interface

NETWORK INTERFACE

Feature	Specification
WLAN	Wi-Fi 6E (802.11ax, 2.4 / 5 / 6 GHz)

RTHD-3

ANDROID™ VERSION

PRODUCT CONFIGURATIONS



MECHANICAL / ENVIRONMENTAL

AC/DC Adapter	Input: 100–240V AC / Output: 15V DC, 3A
Battery Pack	Hot Swappable Battery, 7.6V, 3100mAh
Enclosure	ABS + PC plastic & magnesium-aluminum alloy
Dimensions	3.73 × 7.59 × 1.16 in
Weight	0.99 lb (0.45 kg)
Durability	IP65 / MIL-STD-810H
Regulatory	CE, FCC Class B, RoHS, UL
Operating Temp	-10°C to 50°C (14°F to 122°F)
Storage Temp	-55°C to 70°C (-67°F to 158°F)
Humidity	0–90% Non-Condensing

AVAILABLE ACCESSORIES

DIGITAL PEN



4-BAY SYSTEM CHARGER



TACTICAL VEST MOUNT



6-BAY SYSTEM CHARGER



BATTERY PACK



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