



# RTCU-4 RUGGED 2-IN-1 TABLET

Take the best-in-class tablet technology and couple it with a dock that increases functionality for evolving requirements, then add the military-grade ruggedness for which Miltope is famous, and you get the RTCU-4: the multi-mission computer system that's not only powerful, but built to survive the harshest environments.

## KEY FEATURES

- 11.6" high-brightness capacitive screen with stylus
- Intel® 13th Generation Core™ i5/i7 processor
- Microsoft® Windows® 10/11 IoT Enterprise operating system
- NIST compliant BIOS available
- IP65-rated for water and dust resistance
- MIL-STD-810G for shock and vibration protection
- MIL-STD-461F for EMI and EMC tolerance
- HERO (Hazard of Electromagnetic Radiation to Ordnance) certified
- Built-in smart card/CAC reader
- Anti-microbial coating
- Detachable keyboard option for 2-in-1 applications



# SPECIFICATIONS

## SYSTEM

CPU Intel® Core™ i7-1335U, 10Core, up to 5.0GHz  
Intel® Core™ i5-1335U, 10Core, up to 4.6GHz

RAM 8GB to 32GB

OPERATING SYSTEM Microsoft® Windows® 10/11 IoT Enterprise

STORAGE 256GB to 2TB Flash

CONTROL SWITCH and BUTTONS 1 Power Button, 5 programmable buttons, 2 brightness control buttons

MICROPHONE Built-in microphone

SPEAKER Built-in speaker

## DISPLAY

SCREEN SIZE 11.6" LED-Backlit, High-Brightness (1000 nits) Touchscreen

DISPLAY RESOLUTION 1920 x 1080

LUMINANCE Standard sunlight readable screen: 1000 nits

CONTRAST RATIO 800 (typical)

OPTICAL RESPONSE TIME 25 msec (typical)

## KEYBOARD

KEYS QWERTY, full row of F1 to F12 function keys  
Keys for Windows shortcuts, media controls, screen brightness

BACKLIGHT Yes

TOUCH PAD Multi-touch

## WIRELESS NETWORK INTERFACE

WLAN Wi-Fi 802.11ax, 2.4GHz/5GHz dual band

BLUETOOTH Bluetooth 5.1

## MAJOR OPTIONS SPECS

CAMERA Front Full-HD camera with auto white balance and gain/exposure control

MOBILE BROADBAND 4G LTE/AWS

## I/O PORTS

USB PORT USB 3.0 x 1, USB Type-C x 1 (for data transmitting, video-out, and charging)

ETHERNET Ethernet 10/100/1000MB Base-T LAN

COMPORT 1

HDMI-OUT 1

AUDIO JACK 1 (3.5mm)

DC-IN 1

SMART CARD/CAC READER Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card

KENSINGTON LOCK 1

## MECHANICAL AND ENVIRONMENTAL

AC/DC ADAPTER Input: 100-240V AC; Output: 20V DC, 3.25A

BATTERY PACK Hot swappable battery, 11.4V, 5400mAh  
Hot swappable battery, 11.4V, 8000mAh (optional)

ENCLOSURE ABS + PC plastic and magnesium-aluminum alloy

DIMENSIONS (H x W x D) 8.5 x 12.4 x 0.86 in / 321.2 x 316 x 21.9 mm

WEIGHT 3.5 lbs / 1.6 kg

DURABILITY IP65, MIL-STD-810G/H and MIL-STD-461F certified

REGULATORY FCC Class B, CE, RoHS compliant

TEMPERATURE Operation: -10°C to 60°C (14°F to 140°F),  
optional -30°C to 60°C (-22°F to 140°F)  
Storage: -55°C to 70°C (-67°F to 158°F)

HUMIDITY 0% - 90% non-condensing

Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing Yes