



RTCU-4 RUGGED 2-IN-1 TABLET



Slim, Rugged, Multi-functional Wireless Computing

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.

Features

- 11.6" high-brightness capacitive screen with stylus • Intel® 8th, 10th, or 11th Generation Core™ i5/i7 processor • Microsoft® Windows® 10 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

Major Options

- Front and back cameras • Intel® RealSense™ Depth camera • Barcode scanner • UHF RFID reader • Long range Bluetooth • U-blox M8 GNSS module • 4G LTE/AWS • Civil or Military GPS • Military Tactical Modem • Customizations for the integration of specialized modules and I/O are available

Customize with Accessories

- Docking Keyboard • Battery Gang Charger • Digital Pen • Desktop Charging Cradle • Table Mount Cradle • Battery Charger Kit with AC Adaptor and Power Cord • Keyboard Mounting Kit for Vehicle/Wall Mount Cradle • Carrying Case • Carrying Case and Portfolio • Screen Protector

SPECIFICATIONS

SYSTEM

CPU	Intel® Core™ i5-8250U, Quad-Core, 1.6GHz (up to 3.4GHz) Intel® Core™ i7-8550U, Quad-Core, 1.8GHz (up to 4.0GHz) Intel® Core™ i7-10710U, Hexa-Core, 1.1GHz (up to 4.7GHz)
RAM	8GB to 32GB
Storage	256GB to 2TB Flash
Operating System	Microsoft® Windows® 10 IoT Enterprise
NIST Compliance	NIST compliant BIOS available
Display	11.6" LED-backlight, high-brightness (1000 nits) screen with capacitive touch, outdoor viewable
Display Resolution	1920 x 1080
Network Interface	Wi-Fi 802.11ac, 2.4GHz/ 5GHz dual band; Bluetooth 4.2 LE
Control Switch and Buttons	1 power button, 2 brightness control buttons, 5 programmable buttons
Microphone	Built-in microphone
Speaker	Built-in speaker

I/O PORTS

USB Port	USB 2.0 x 1, USB 3.0 x 1, USB Type C x 1 (data transmitting and charging)
Headset Jack	1
Ethernet	1 RJ45 connector for Ethernet
Smart Card/CAC Reader	Full-slot, reads ISO 7816 T=0, T=1; 1.8/3/5V smart card

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 plastics and magnesium-aluminum alloy with anti-microbial coating
Dimensions (H x W x D)	8.3 x 12.4 x 0.86 in/ 212 x 316 x 21.9 mm
Weight	3.5 lbs/ 1.6 kg
Durability	IP65, MIL-STD-810G and MIL-STD-461F certified
Hazard of Electromagnetic Radiation to Ordnance (HERO) Testing	Yes
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) * For battery safety and optimal functionality and performance, the recommended usage temperature range is from -10°C to 45°C (14°F to 113°F)
Humidity	0% – 90% non-condensing

MAJOR OPTIONS SPECS

BARCODE SCANNER	2D barcode scanner; reads 1D also
CAMERA	2 megapixel front camera, and 8 megapixel back camera with auto focus, white balance, gain control, and exposure control; or, Intel® RealSense™ Depth back camera, supports distance capture for 3D scanning, environment sensing, and background segmentation applications
UHF RFID READER	865MHz – 928MHz, EPCglobal Class 1 Gen 2/ ISO 18000-6C. 30 feet (9.14m) in read distance
LONG RANGE BLUE-TOOTH	Class 1 Bluetooth (1000 ft)
GNSS MODULE	U-blox M8 GNSS module with concurrent reception of GPS and GLONASS, industry leading -167dBm navigation sensitivity
MOBILE BROADBAND	4G LTE/AWS

INDUSTRY APPLICATIONS

Military
Law Enforcement
Search & Rescue
Public Safety
Transportation
Waste Management
Healthcare/EMS
Many more

