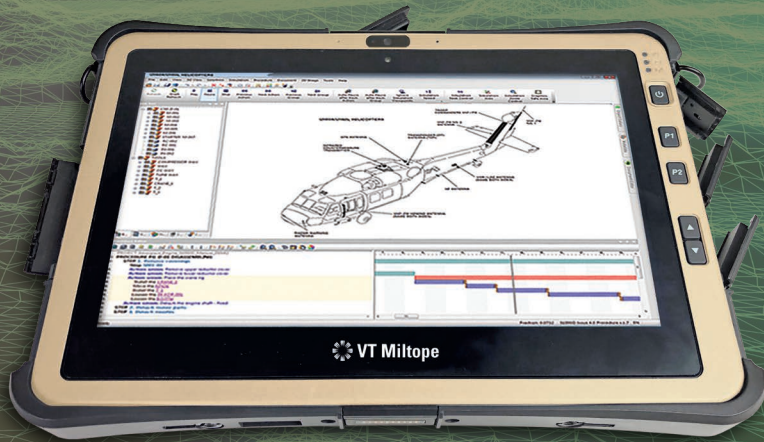


RTCU-4 RUGGED TABLET COMPUTER UNIT



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 VT 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 that military personnel and vehicles encounter.



RTCU-4 Features and Functions:

- Intel® Core™ i5 and i7 processors
- 11.6" FHD (1920x1080) LCD
- Sunlight Readable Display: 1000 NITs
- Integrated CAC reader
- 4 GB RAM expandable to 16 GB
- MIL-STD-810G, MIL-STD-461F



TABLET

CONSTRUCTION:

Aluminum-Magnesium Alloy chassis
Fanless Design: Dust Free, Noiseless

PROCESSOR:

Intel® Core m3-7Y30, 1.0GHz, up to 2.6GHz, 4MB cache
Intel® Core i5-7Y54, 1.2GHz, up to 3.2GHz, 4MB cache
Intel® Core i7-7Y75 with vPro, 1.3GHz, up to 3.6GHz, 4MB cache

RAM:

Onboard LPDDR3 4GB/8GB/16GB

OPERATING SYSTEM:

Microsoft® Windows® 10

GRAPHICS:

Intel® HD Graphics 615

DISPLAY SYSTEM:

11.6" FHD (1920x1080) LCD with 10-point capacitive glove multi-touch panel and Sunlight Readable display, 1000 nits Digitizer with Stylus
Built-in Ambient Light Sensor
9-Axis Motion Sensor

STORAGE:

User removable M.2 SSD 128GB, up to 1TB
User removable OPAL 2.0 SSD 256GB, up to 512GB

INTEGRATED INTERFACES:

Power ON / OFF Button
2x Programmable Buttons (P1 / P2)
Volume or Brightness Adjustment Buttons
Intel® High Definition Audio
Stereo Speakers (1.5KHz / 70dB)
Front: Integrated 2MP Webcam
Rear: Integrated 8MP auto-focus with flash
Gigabit Ethernet, 10/100/1000 base-T
Intel® Dual Band Wireless-AC 9260, 802.11ac & Bluetooth 5.0
4G LTE-Advanced multi-carrier mobile broadband¹
GPS module with built-in GPS antenna

PORTS:

1x USB 3.0, 1x USB 2.0
1x Headphone and Microphone Combo Jack
1x RJ-45 Jack
1x HDMI
1x DC-in
1x Docking Connector
1x SD Card Reader (micro-SDXC)
1x RF Pass-through Connector for WWAN/WLAN/GPS¹
Insertable SmartCard/CAC Reader¹

PHYSICAL:

12.48" (W) x 8.46" (D) x 0.94" (H) / 317mm(W) x 215mm(D) x 24mm(H)
3.06 lbs / 1.39kg

POWER:

2-Cell Li-Polymer, 7.6V 4800 mAH (up to 8 hours)
Bridge Battery: 5 mins hot swap time
AC Adapter: 100V – 240V; 19V; 50/60Hz; 65W

SECURITY:

Kensington Lock
TPM 2.0
User Removable SSD
Stealth / Night Vision Mode
Intel® vPro
Fingerprint Scanner
Insertable SmartCard/CAC Reader

ENVIRONMENTALS:

Tested to MIL-STD-810G

TEMPERATURE:

Operating temperature: -37°C to +60°C (-35°F to +140°F)
Storage temperature: -46°C to +71°C (-41°F to +160°F)

RELATIVE HUMIDITY:

Operating: 95% non-condensing

THERMAL SHOCK:

-40°C to +71°C (-60°F to +160°F), 3 Cycles

DRIVING RAIN:

Operating: 4"/hr. (101.6 mm/hr.) at 40 mph wind, 30 min. per side

SAND/DUST:

Operating Sand: 40 mph wind source for 90 min, +60°C
Operating Dust: 20 mph wind source for 12 hrs, +60°C

VIBRATION:

MIL-STD-810G w/Change 1, Method 514.7, Procedure I, Table 514.7

Category 4 – Common Carrier, 1hr/per axis – Operating

Category 24 – Min Integrity – Random, 30 min/per axis – Operating & Non-Operating

Category 24 – Min Integrity – Sinusoidal, 60 min/per axis – Operating & Non-Operating

SHOCK:

Functional: 40g, 11ms Operating

Crash Haz: 75g, 6ms Operating

TRANSIT DROP-OPERATING:

26 drops- 72in height on 2in plywood - Operating

All drops performed on the same unit

ALTITUDE:

40,000 Ft. (8 hrs) Operating

EXPLOSIVE ATMOSPHERE:

MIL-STD-810G, w/ Change 1, Method 511.6 Procedure I

EMISSIONS, IMMUNITY and SAFETY:

EMISSIONS:

MIL-STD-461F: CE101, CE102, CS101, CS114, CS115, CS116, RE101, RE102, RS101, RS103

SAFETY:

Class I, Division 2 Hazardous Locations ANSI/ISA-12.12.01-2015

RoHS/REACH compliant, EPEAT, Energy Star, ErP, WEEE

US: FCC, FCC ID, UL

EU: CE, CB, CE