MTB-7

RUGGED MILITARY AND INDUSTRIAL GRADE TABLET

RUGGED TABLET

With a full Windows operating system, you can carry out the entire data collection process from start to finish on your MTB-7. Snap a photo, record field notes, or capture a GNSS location, and then analyze the data you just collected using the Rugged Tablet.

Or, quickly transfer your data to another computer or network via Wi-Fi 802.11AC, Bluetooth 5.0, or 4G LTE. Its racing-fast processor and lightweight, ergonomic design ensure maximum efficiency and minimal fatigue. With all the functionality of a desktop computer packed into one ultra-tough tablet, the MTB-7 will truly become your office, anywhere.

In a sleek package with the highest-rated protection against water and dust, the Rugged Tablet can go with you into the harshest environments out there. Running Windows 10, the new MTB-7 brings powerful functionality to your mobile data collection, featuring a large, 7-inch, extra-bright display for easily viewing maps or images, all-day battery power lasting up to 15 hours, and of course, the unmatched ruggedness that CP Technologies is known for.

CERTIFICATIONS AND STANDARDS

- FCC Class B
- CE Marking (applicable EMC, R&TTE, and LVD directives)
- Industry Canada
- EN60950 Safety
- RoHS 2 Compliant

APPLICATIONS

- Military
- Natural Science
- Utilities & Public Services
- Industrial
- Agriculture

- Oil & Gas
- Public Safety
- Construction
- Geomatics

Who We Are

CP Technologies designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.

Using COTS components, CP Technologies provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.

CP Technologies is an ITAR Registered and ISO 9001:2015 Certified business that has been operating in Southern California for over twenty years.

Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered

CP Technologies
2620 Deep Well Ranch Rd
Prescott, AZ 86301
cp-techusa.com
858.571.4330

TECH SPECS

TABLET SPECIFICATIONS

PROCESSOR
Qualcomm® Snapdragon™ Octa-core Kryo™ 260

MEMORY
6 GB RAM (LPDDR4x)
64 GB flash storage

GRAPHICS
Qualcomm® Adreno™ 512 GPU

OPERATING SYSTEM
Microsoft® Windows 10 or Android

DISPLAY
High-visibility backlit LCD for best-in-class sunlight view-ability.
Portrait or landscape orientation with automatic screen rotation.
Display Active Area: 7" (178 mm)
Resolution: WXGA (1280 x 800)

TOUCH SCREEN
Projected capacitive multi-touch interface for use with gloves, small tip
stylus, and in wet conditions
Optically bonded for increased visibility and strength
Chemically-strengthened Dragontrail™ High Ion-Exchange (HIE™)
coverglass for excellent impact and scratch resistance

BATTERY
Removable Li-Ion battery, 43.2 Whr, operates 10–12 hours on one charge
Optional built-in 21.6-Whr battery provides additional 5–6 hours runtime and hot-swap capability
Battery easily changeable in field
Optimized for strong performance in cold temperatures
Excellent lifecycle performance

PORTS
Peripheral(s): USB 3.1 10G x 1
Aux Power Input: 12 VDC
Docking port connections (Pwr, USB 2.0, & HDMI)
Loud output speaker for noisy environments
Dual digital microphone input for improved clarity
Optional RS-232 9-Pin D-Sub connector with 5VDC power output

KEYBOARD
Adjustable LED backlit keys
Four-way directional navpad
Windows/home key
Power key
Enter key
Three user-programmable function keys
OEM configurable/customizable

CONNECTIVITY OPTIONS
Wireless connectivity: Bluetooth v5.0, Wi-Fi 802.11AC, 2x2 MIMO
4G LTE Multi-carrier capable
Camera (Rear: 16 MP with LED illumination, Front: 2 MP)
Qualcomm SDR660 GPS/GNSS, Integrated SBAS Receiver
Optional Barcode 1D/2D imager
Optional UH RFID

STANDARD ACCESSORIES
Standard removable battery
AC wall charger with international plug kit
Capacitive small-tip stylus w/tether
Quick Start Guide
Hand strap
Connector port dust cover

TECH SPECS

CHASSIS SPECIFICATIONS

DIMENSIONS	5.40" w x 8.48" l x 1.36" d (137 x 215 x 35 mm)
SHIPPING WEIGHT	1.5–2 lbs (680–907 g)
PHSYICAL	Durable, chemical- and shock-resistant design Easy-to-grip, impact-absorbing, overmolded bumpers Lightweight and ergonomic design

HARSH ENVIRONMENTS

Designed to meet or exceed MIL-STD-810G to the below specifications.

ALTITUDE	MIL-STD-810, Method 500.6
HIGH TEMPERATURE	50°C Operational, 70°C Storage MIL-STD-810, Method 501.6
LOW TEMPERATURE	-20°C Operational, -30°C Storage MIL-STD-810, Method 502.6
HUMIDITY	MIL-STD-810, Method 507.6
BLOWING SAND AND DUST	MIL-STD-810, Method 510.6
TRANSPORT VIBRATION	MIL-STD-810, Method 514.7
BENCH HANDLING SHOCK	Multiple drops from 4' (1.2-1.5m) onto concrete MIL-STD-810, Method 516.7
RAIN	IP68 waterproof and dustproof MIL-STD-810, Method 506.6

QUESTIONS?
Reach out to us at
cp-techusa.com
or call 858.571.4330

ENGINEERED TO YOUR SPECIFICATIONS

• In-house engineering department
• Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
• Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
• Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-S-901, in addition to FCC, UL, CE, and country specific agency requirements

YOUR CONFIGURATION. ONE PART NUMBER

• It's our mission to make your life easier. Our Sales Engineers will help you select the right configuration for your project, making sure the details are analyzed and that the system meets your specifications.
• One part number means easier procurement and less paperwork for you.
• Dedicated Sales and Program Managers.
• Last time buy opportunities for end-of-life components.

FACILITY AND TEST

• All integration work is performed in a state-of-the-art, ESD-controlled facility
• Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
• Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

QUALITY COUNTS

• ISO 9001:2008 Certified
• 100% system inspection before shipment
• All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
• Assistance with 3rd party verification of system specifications
• 5-year warranty on all servers and 3-year warranty on LCD monitor products
• Assembled in the USA

CP Technologies
2620 Deep Well Ranch Rd
Prescott, AZ 86301