

Rugged Tablet PC

M133W Rugged 13.3" Windows Tablet

M133W

The elegant, yet fully rugged M133W offers the larger screen size of a laptop in a tablet form factor for increased visibility and computing in demanding environments such as automotive manufacturing and vehicle diagnostics. The M133W's large 13.3-inch sunlight-readable IPS display was thoughtfully designed to retain sharpness, offering full 1920 x 1080 pixel HD resolution.

Features

- 13.3-inch Tablet with 1920 x 1080 Wide Viewing-Angle Display
- Magnesium Alloy Housing with All-Around Elastomeric Rubber
- Fanless Thermal Design
- MIL-STD-810G Certified
- IP65 Waterproof and Dust Proof
- Hot-Swappable User-Replaceable Battery
- Rugged design: Anti-shock, Vibration, and Transit Drop
- With Optical Bonding for Sunlight Readability



Panel Size	13.3"
Spec Title	M133W
Panel Size	
Panel Display Resolution	1920 x 1080
Panel Brightness	350 Nits With Optical Bonding
Touch SensorType	Multi-touch Projected Capacitive with Glove/Rain/Stylus Modes
Panel Contrast Ratio	800:1 (typ.)
Sensors	Light sensor/ G sensor / Gyro / E-compass
Viewing angle	85 / 85 / 85 / 85
System Specification	
Processor	Intel® Core i5-5200U Broadwell 2.2GHz (turbo to 2.7GHz)
Memory	4GB SODIMM DDR3L-1600 (up to 16GB)
Storage	1 x 128GB M.2 MLC SSD (up to 1TB with 2 x SSD), 2 x Internal M.2 slots
Wireless Communication	
WLAN	Intel® Dual Band Wireless-AC 7265 802.11 a/b/g/n/ac (M.2)
Bluetooth	Intel® Dual Band Wireless-AC 7265 Bluetooth 4.0 Dual Mode (Classic + Low Energy) (M.2)
WWAN	Optional 4G (LTE,HSPA+,GSM/GPRS/EDGE,EV-DO Rev A, 1xRTT)
GPS	u-Blox NEO-6Q
I/O Connectors	
Audio	1 x Built-in Digital Mic with Noise Cancellation, 2 x 1W Speaker
External I/O	1 x HDMI, 1 x RJ45-10/100/1000 Mbps LAN, 1 x Serial Com Port, 2 x USB 3.0, 2 x USB 2.0, 1 x Headphone Combo, 1x Power (DC in), 1 x Docking Connector, 1 x SD Card Slot, 1 x Service Windows (access to 2 x M.2 SSD cards and 1 x mini PCI-e WWAN card), 1 x Optional Expansion Window (Smart Card Reader/Barcode)
Control Button	1 x Power, 1 x Menu, 1 x Fn1, 1 x Fn2, 1 x Fn3, 2 x Volume Key (7 membrane keys), 1 x Reset
LED indicator	Power / Battery / RF / SSD
Mechanical and Environment	
Dimensions (W x L x H)	338.2 x 240 x 30 mm (13.3 x 9.4 x 1.18 inches)
Net Weight (kg)	2.4 Kg (Without Kickstand), 2.8 Kg (With Kickstand)
Operating Temperature	-10°C to 50°C
Operating Humidity	30% to 80% RH, non-condensing
IP Proof	IP65
Certifications	CE, FCC, IC, UL
Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure
Drop	MIL-STD-810G Method 516.6, 4 ft to concrete
Power Management	
Power Input	12 to 19V
Battery	7.4V, 10280 mAh (typ.) Li-Polymer Battery (2S2P), Optional Hot-Swappable
Adapter	100-240V, 50-60Hz, 19V DC
OS	Windows 10 IoT Enterprise, Windows Embedded 8.1 Industry Pro 64-bit, Windows Embedded Standard 7 (WS7P) 64-bit, Windows 7 Pro for Embedded Systems 64-bit
RFID	Optional HF RFID 13.56MHz reader (ISO15693, ISO14443A, ISO18092)
Camera	5MP auto-focus camera with LED flash at rear 2MP camera at front

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M133 Series



Rain/ Stylus/ Glove Mode

Advanced capacitive touchscreen with 3 operating modes for difference user scenarios.



Large Screen

13.3-inch tablet comes with 1920 x 1080 Wide Viewing-Angle display that is comfortable to use with all your applications. The screen is big enough to read diagrams, charts and graphs.



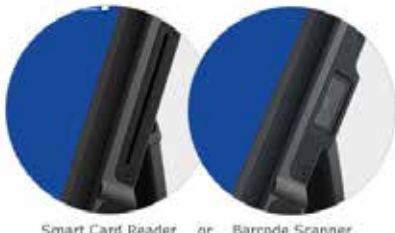
Dual Internal M.2 SSD Slots Supporting RAID 0/1

This M.2 SSD controller card allows you to install two M.2 solid-state drives (SSD) into your Tablet PC through PCI Express. Virtually mounted directly to the card M.2 drive gives you a convenient and discreet way to improve the system performance, recover data from an existing M.2 drive or expand your overall internal storage.



Ergonomic handle for easy carrying, integrated with the kickstand

With the handle integrated with kickstand you can carry your Tablet around and make sure it stays steady on any surface.



Different Configuration Options

M133 Series support HF RFID Reader, Smart Card Reader or Barcode Scanner for extended data collection options on the field.

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|-------------------|--------------------------|--------------------------------|--------------------------|
| ① Front Camera | ⑦ Power Button | ⑬ Kickstand Screw Holes | ②④ Shoulder Strap D-Ring |
| ② Microphone | ⑧ Speakers | ⑭ I/O Cover | ②⑤ I/O Cover |
| ③ Menu Button | ⑨ Light Sensor | ⑮ SD Card Slot | ②⑥ Optional I/O Slot |
| ④ +/- Buttons | ⑩ Touchscreen | ⑯ Audio Jack (Mic In/Line Out) | ②⑦ USB 2.0 x 2 |
| ⑤ Fn Buttons | ⑪ Rear Camera | ⑰ USB 3.0 x 2 | ②⑧ LAN Port |
| ⑥ LED Indicators: | ⑫ Service Window | ⑱ RS232 Serial Port | ②⑨ Power Jack |
| 📶 RF | ⑬ Battery | | ③① Kensington Lock Port |
| 💾 HDD | ⑭ Battery Lock Latch | | |
| 🔋 Battery | ⑮ Battery Release Slider | | |
| ⏻ Power | | | |

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Accessories

STANDARD ACCESSORIES



Adapter and Power Cord

- Winmate Part Number: 922D065W19V0
- 100-240VAC to 19VDC@3.42A
 - Country specific power cords available



Stylus

- Winmate Part Number : 9B000000006U
- Length: 120mm
 - Conductive hard tip



Standard Battery (BS133)

- Winmate Part Number : 98KT00A0000R
- 7.4V / 10280 mAh Li-Polymer Battery, 2S2P
 - Dimensions: mm
 - Weight: 414g



Stand with Integrated Handle

- Winmate Part Number : 98KT00A0000U
- Metallic stand with rubberized protection pads to prevent slipping
 - Free rotating with 180 degrees of adjustability
 - Function as an integrated carrying handle when rotated up

OPTIONAL ACCESSORIES



VESA Mounting kit

- Winmate Part Number : 98KT00A0000Q
- 75x75mm and 100 x 100mm VESA Mount Points
 - Slim Design; Metal in Black Paint



Shoulder Strap

- Winmate Part Number : 9B000000007I
- Adjustable cross-body strap (cm) with pad
 - Weight: 94g



Battery Charger

- Winmate Part Number: 98JT00A00001
- Dual-bay charging dock
 - Power level LED indicators
 - Buzzer to indicate battery is inserted
 - Supports up to 3 set of dock interconnected



Active Pen

- Winmate Part Number: 98K000A0007L
- Model Name: AP-M133
 - 2 x Side Buttons (Eraser, Barrel)
 - Support Win7, Win8, Win10
 - Replaceable Battery 0.9V~1.8V, AAAA
 - Pen tip Diameter : 2.0 +/- 0.2mm



RAM Mount Kit

- Winmate Part Number: 98K000A0007Z
- Used in conjunction with M133W VESA Mounting Kit (98KT00A0000Q) to mount M133W Tablet
 - Device Mounting Kit (Drill Solution)