

# M133W-ME, 13.3-inch Rugged Tablet PC

A Rugged Tablet that Can Survive Any Environment and Get Real Work Done

M133W-ME is a rugged tablet PC with robust set of features designed to withstand industrial use while providing high tech solutions that increase productivity, improve safety, and reduce operational costs. The processing power comes from Intel's Core i5-5200U Broadwell processor paired with genuine Intel graphics for high performance. The tablet features a brilliant, wide viewing-angle panel with direct optical bonding, projective capacitive touch screen, which is outdoor viewable and offers 1920 x 1080 pixel resolution. Equipped with a built-in kickstand, the M133W-ME is a powerful workstation with reliable performance in a mobile and ultra-rugged design.



## Highlights

- Intel Core i5-5200U Broadwell Processor
- 13.3" 1920 x 1080 wide viewing-angle LED Panel with direct optical bonding
- Magnesium alloy housing with all-around elastomeric rubber
- Support 1D/2D Barcode and RFID Reader
- Built-in kickstand
- IP65 waterproof and dustproof
- Optional antimicrobial surface coating

## Order Information

M133W-ME	Support 1D/2D Barcode and RFID Reader Optional 3G/4G LTE
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*White color housing MOQ 500 PCS*

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## Display Specification

Size	13.3-inch display with LED Backlight
Resolution	1920 x 1080
Brightness	8-350 nit
Touch	With direct Optical bonding for sunlight readable
Contrast Ratio	800:1
Viewing Angle	85/85/85/85
Technology	Multi-touch projected capacitive
	<ul style="list-style-type: none"> <li>• Ambient light sensor, e-compass, gyro, acceleration sensors</li> <li>• Automatic screen rotation</li> <li>• Intel HD Graphics (built-in CPU) video controller</li> </ul>

## System Specification

Processor	Intel Core i5-5200U Broadwell Processor 2.2 GHz, up to 2.7 GHz with turbo boost technology
System Memory	4GB DDR3L SDRAM (up to 16GB) <sup>1</sup>
Storage	128GB M.2 MLC SSD Up to 1TB with two solid state drives SSD, two internal M.2 slots
Operating System	Windows 10 IoT Enterprise Windows Embedded 8.1 Industry Pro Windows Embedded Standard 7 (WS7P) Windows 7 Pro for Embedded Systems

## 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)
GPS	u-Blox NEO-6Q
WWAN	Optional 3G/4G LTE

## Interface

Docking Connector	1 x 19-pin docking connector
HDMI	1 x HDMI
Serial Port	1 x RS232 Serial COM Port
LAN	1 x RJ45-10/100/1000 Mbps LAN
USB	2 x USB 3.0, 2 x USB 2.0
Power Input	1 x Power Jack
Micro SD	1 x Micro SD Slot
Audio Connector	1 x Headphone Combo
Service Window	Access to 2 x M.2 SSD cards and 1 x mini PCI-e WWAN card
Expansion Window	1 x Optional Expansion Window (Smart Card Reader/Barcode)

## Keyboard and Input

Touch	<ul style="list-style-type: none"> <li>• 10-point multi touch, support Hand / Gloves and Rain Mode, and Active Pen</li> </ul>
Button	<ul style="list-style-type: none"> <li>• On-screen QWERTY keyboard</li> <li>7 membrane keys: 1 x power, 1 x menu, 3 x function key (Programmable function key configured by Hottab Utility), 2 x volume key</li> </ul>
LED Indicators	Power, Battery, SSD, RF

## Audio

Microphone	1 x built-in Digital Mic with Noise Cancellation
Speaker	2 x 1 watt speaker

## Cameras

Web Camera	2MP webcam
Rear Camera	5MP rear camera with autofocus and LED light

## Data Capture

Barcode Reader	1D/2D barcode reader Zebra SE4500
RFID	HF RFID Reader 13.56 MHz ISO15693, ISO14443A, ISO18092

## Security Function

Security	<ul style="list-style-type: none"> <li>• Password security for user and hard disk lock</li> <li>• Trusted Platform Module (TPM) V2.0 <sup>2</sup></li> <li>• Computrace theft protection agent <sup>3</sup></li> <li>• Kensington lock slot</li> </ul>
Mobile Device Mgmt.	SOTI Mobicontrol compatible <sup>3</sup>

## Mechanical and Environment

Dimension (W x L x H)	338.2 x 240 x 30 mm (13.3 x 9.4 x 1.18 inches) <sup>4</sup>
Housing	Rear magnesium alloy die-casting design
Cooling System	Fanless thermal design
Weight	2.4 kg (5.29 lbs) without kickstand, 2.8 kg (6.17 lbs) with kickstand
Housing	Antimicrobial surface coating (Optional)
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	30% to 80% RH, non-condensing
IP Proof	IP65 dustproof and waterproof
Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I
Drop	MIL-STD-810G Method 516.6, 4 ft to concrete
ESD (Contact/Air)	12kV/12kV

## Power Management

Power Input	12V DC or 19V DC
Battery	7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P)
Battery Operating Time	Std. Battery: 11 hours <sup>5</sup> BAPCo TabletMark v3
Adapter	100-240V, 50-60Hz / 19V DC

## Accessories

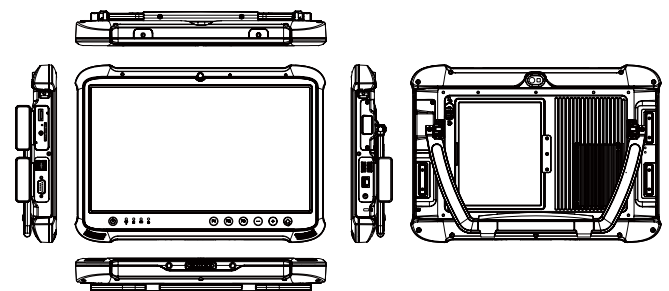
### Standard Accessories

Adapter and Power Cord	922D065W19V1
Standard Battery	98KT00A0000R
Stylus	9B000000006U
Stand with Integrated Handle	98KT00A0000U

### Optional Accessories <sup>6</sup>

VESA Mounting Kit	98KT00A0000Q
VESA Mounting Kit 2	98KT00A00019
RAM Mounting Kit	98K000A0007Z
Shoulder Strap	9B000000007I
Battery Charger	98JT00A00001
Active Pen	98K000A0007L
Vehicle Charger	9226065W19V0

### Drawing <sup>7</sup>



**Caution**

Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)  
Do not expose bare skin to this product when handling this unit in extreme hot or cold environments

1. Total usable memory will be less depending upon actual system configuration
2. TPM 2.0 available upon request
3. Computrace theft protection and SOTI are available upon request
4. Length measurements do not include protrusions. Weight varies with options.
5. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.<sup>1</sup>
6. Accessories may vary depending on your configuration
7. This is a simplified drawing and some components are not marked in detail.

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Your Automation Partner



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