

# 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 i5-5250U 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 i5-5250U 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<br>Optional 3G/4G LTE |
|----------|---|

*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<br>With direct Optical bonding for sunlight readable  |
| Touch          | Multi-touch projected capacitive  |
| Contrast Ratio | 800:1   |
| Viewing Angle  | 85/85/85/85   |
| Technology     | <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        | 5 <sup>th</sup> Gen. Intel Core i5-5250U Broadwell, 1.60 GHz (turbo up to 2.70 GHz) with turbo boost technology                            |
| System Memory    | 4GB DDR3L SDRAM (up to 16GB) <sup>1</sup>  |
| Storage          | 128GB M.2 SSD<br>Up to 1TB with two solid state drives SSD, two internal M.2 slots   |
| Operating System | Windows 10 IoT Enterprise<br>Windows Embedded 8.1 Industry Pro<br>Windows Embedded Standard 7 (W57P)<br>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<br>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<br>Zebra SE4500                      |
| RFID           | HF RFID Reader 13.56 MHz<br>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,<br>2.8 kg (6.17 lbs) with kickstand |
| Housing               | Antimicrobial surface coating (Optional)                                 |
| Operating Temperature | 0°C to 35°C, Humidity up to 95%  |
| Storage Temperature   | -20°C to 60°C, Humidity up to 95%  |
| 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><br>BAPCo TabletMark v3 |
| Adapter                | 100-240V, 50-60Hz / 19V DC                                 |

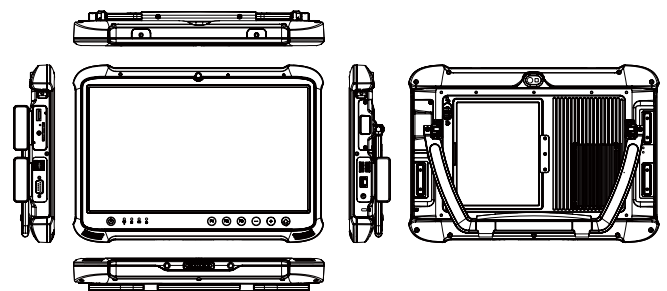
## Accessories

### 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>



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."
6. Accessories and Integrated Options may vary depending on your configuration
7. This is a simplified drawing and some components are not marked in detail.