

# M116PT

11.6" Intel® Pentium® N4200 Rugged Tablet with Smart Card Reader



## KEY FEATURES

- Intel® Pentium® N4200 1.1GHz (Turbo up to 2.5 GHz), Rugged Tablet with Smart Card Reader
- 11.6" 1920 x 1080 LED panel with direct optical bonding
- IP65 water and dust proof with MIL-STD-810G rugged housing
- Integrated Smart Card Reader
- Optional Integrated 1D/2D Barcode Reader ( Integrated CAC Reader) and HF RFID for data collection
- Removable battery with hot-swap function for all day productivity
- Defence grade MIL-STD 810G

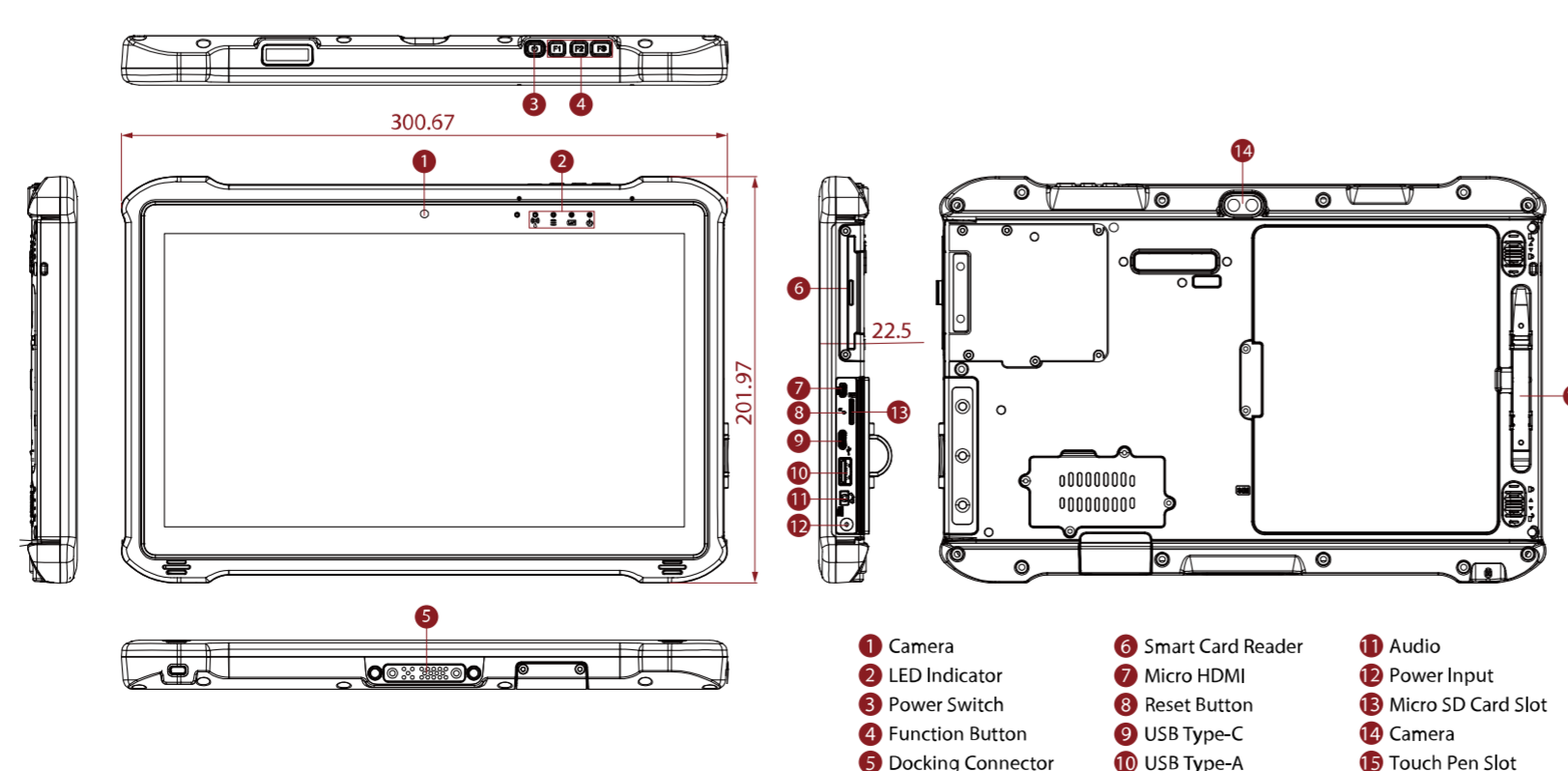
## INTRODUCTION

Winmate M116PT is a 11.6-inch Intel® Pentium® N4200 Rugged Tablet with Smart Card Reader engineered for defense operations, field command, and mission-critical mobility. It combines Intel® Pentium® N4200, 11.6-inch display with 1920x1080 resolution, and IP65 to support reliable operation in harsh industrial environments. With MIL-STD-810H, the M116PT helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

## SPECIFICATIONS

Display			
<b>Bonding</b>	Optical Bonding for Sunlight Viewability	<b>Resolution</b>	1920x1080
<b>Size</b>	11.6 inches	<b>Contrast Ratio</b>	1000:1
<b>Panel Brightness</b>	850.0 nits	<b>View Angles</b>	85,85,85,85
<b>Type</b>	Projected Capacitive Multi Touch	<b>Viewability</b>	Anti-Glare touch treatment
<b>Touch Mode</b>	Support Hand/Rain, Stylus, Glove Mode		
System Specification			
<b>Processor</b>	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	<b>Memory</b>	4GB (Default) 8GB (Optional)
<b>Storage</b>	128 GB SSD Additional storage available with micro SDXC card slot (Default) 256 GB SSD (Optional) 512 GB SSD (Optional)	<b>Security</b>	Trusted Platform Module (TPM) 2.0 Kensington Lock
<b>Operating System</b>	Windows 10 IoT Enterprise (64 bit)	<b>WLAN</b>	Support
<b>BT</b>	Support	<b>WWAN</b>	4G LTE (Optional)
<b>GNSS</b>	GPS, GLONASS	<b>RFID</b>	HF RFID reader 13.56 MHz (Optional)
<b>Sensors</b>	Light sensor/ G-sensor / Gyro	<b>Smart Card Reader</b>	Built-in Smart Card Reader, Comply with ISO7816-1.2.3 T=1 and T=0 protocol
Camera			
<b>Front Camera</b>	2MP front camera	<b>Rear Camera</b>	8MP rear camera with autofocus and LED light
Mechanical			
<b>Dimension</b>	300.67 x 201.97 x 22.5 mm	<b>Weight</b>	1.45 kg
<b>Cooling System</b>	Fanless Design		
IO Ports			
<b>USB Port</b>	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type C)	<b>SD Card Slot</b>	1 x Micro SDXC slot
<b>SIM Card Slot</b>	1 x Micro SIM card slot	<b>Video</b>	1 x Micro HDMI (Optional)
<b>Audio</b>	1 x Audio combo 3.5mm audio combo jack Built-in dual digital mic with noise cancellation 2 x 1 watt front-facing speakers	<b>LAN</b>	1 x RJ45-10/100/1000 GigaLAN port (Optional)
<b>Indicator</b>	4x LED Indicator for Power, Battery, HDD, RF status	<b>Docking Connector</b>	1 x 19-pin docking connector
Environment			
<b>Operating Humidity</b>	10% to 90% RH, non-condensing	<b>Operating Temperature</b>	-20°C to 60°C
<b>Storage Temperature</b>	-30°C to 70°C	<b>Shock</b>	MIL-STD-810G Method 516.6 Procedure I
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I	<b>IP rating</b>	IP65
<b>Drop</b>	MIL-STD-810G Method 516.6, 4 ft		
Certification			
<b>Certification</b>	CE, FCC		
Security Function			
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance	<b>Kensington Lock</b>	Kensington Lock Support
Control			
<b>Button</b>	1 x Power, 3 x function keys		
Power			
<b>Battery</b>	Hot-swappable 7.7V typ. 5900 mAh Li-Polymer Battery (2S1P) (Default) Optional 7.4V typ. 10280 mAh Li-Polymer Battery (2S2P)	<b>Battery Operating Time</b>	Standard Battery: 8 hours
<b>Power Rating</b>	19V DC	<b>Adapter</b>	100-240V, 50-60Hz (19V DC)
Accessory			
<b>Accessory</b>	Adapter and Power Cord Capacitive Stylus Standard Battery	<b>Optional Accessory</b>	Desk Dock (Optional) Vehicle Dock (Optional) Vehicle Cradle (Optional) Vehicle Charger (Optional) Battery Charger (Optional) High Capacity Battery (Optional) Hand Strap (Optional) VESA Mount Kit (Optional) Shoulder Strap (Optional) Carry Bag (Optional)
Barcode Scanner			
<b>Barcode Scanner</b>	1D/2D barcode reader (Optional)		

## DIMENSIONS UNIT:MM



## NOTE

- Total usable memory will be less dependent upon actual system configuration.
- The USB Type-C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
- Add-on modules require the expansion port option to be usable.
- TPM 2.0 is available upon request.
- SOTI is available upon request.
- Measured at dimming LCD brightness. Varies depending on the usage conditions or when an external device is attached.
- Length measurements do not include protrusions. Weight varies with options and active pen.
- The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.
- This is a simplified drawing, and some components are not marked in detail.