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
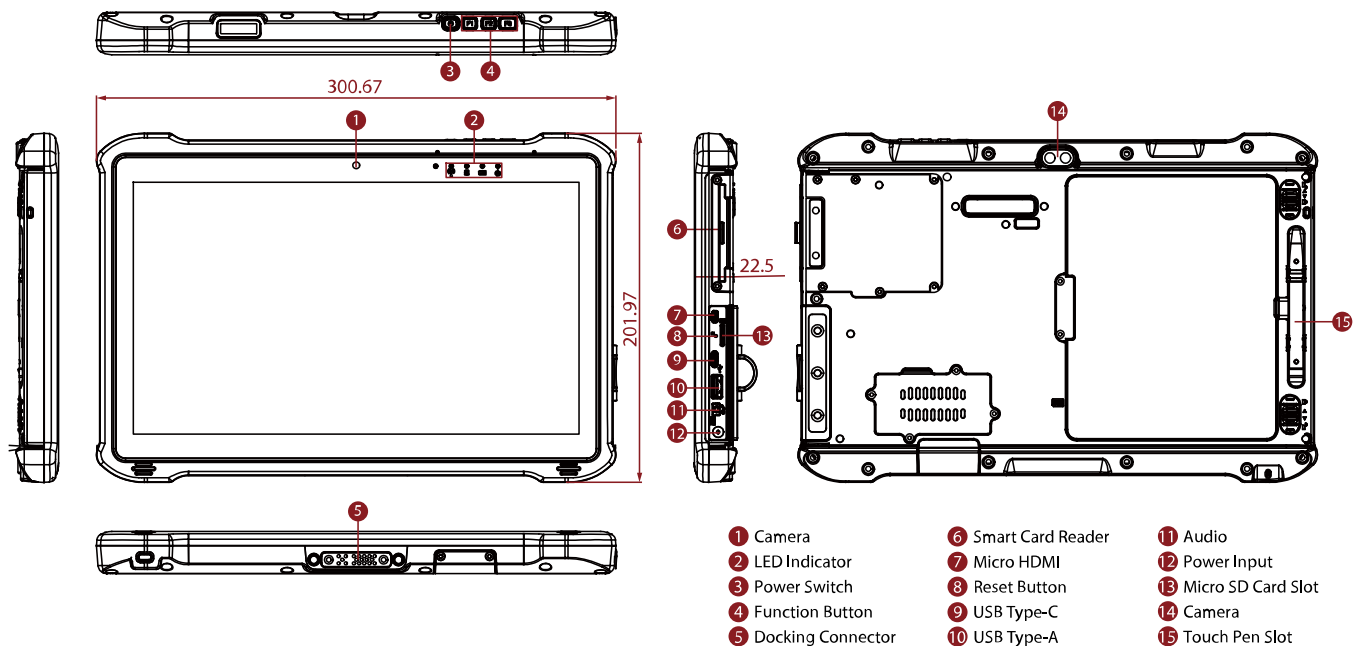- military grade MIL-STD 810G

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	**Resolution**	1920x1080
Size	11.6 inches	**Contrast Ratio**	1000:1
Panel Brightness	850 nits	**View Angles**	85,85,85,85
Type	Projected Capacitive Multi Touch	**Viewability**	Anti-Glare touch treatment
Touch Mode	Hand/Rain, Glove, Stylus		

System Specification

Processor	Intel® Pentium® N4200 1.1GHz (Turbo up to 2.5 GHz)	**Memory**	4GB LPDDR4 8GB LPDDR4 (Optional)
Storage	128 GB SSD Additional storage available with micro SDXC card slot 256 GB SSD (Optional) 512 GB SSD (Optional)	**Ethernet controller**	1 x RJ45-10/100/1000 GigaLAN port (Optional)
Security	Trusted Platform Module (TPM) 2.0 Kensington Lock	**Operating System**	Windows 10 IoT Enterprise (64 bit)
WLAN	Support	**BT**	Support
WWAN	4G LTE (Optional)	**GNSS**	GPS, GLONASS
RFID	HF RFID reader 13.56 MHz (Optional)	**Sensors**	Light sensor/ g-sensor / Gyro
Smart Card Reader	Built-in Smart Card Reader, Comply with ISO7816-1.2.3 T=1 and T=Ø protocol		

Camera

Front Camera	2MP front camera	**Rear Camera**	8MP rear camera with autofocus and LED light

Mechanical

Dimension	300.67 x 201.97 x 22.5 mm	**Weight**	1.45 kg
Cooling System	Fanless design		

IO Ports

USB Port	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type C)	**SD Card Slot**	1 x Micro SDXC slot
SIM Card Slot	1 x Micro SIM card slot	**Video**	1 x Micro HDMI (Optional)
Audio	1 x Audio combo 3.5mm audio combo jack Built-in dual digital mic with noise cancellation 2 x 1 watt front-facing speakers	**LAN**	1 x RJ45-10/100/1000 GigaLAN port (Optional)

Indicator	4x LED Indicator for Power, Battery, HDD, RF status	**mini PCIe**	1 x Mini PCIe for WWAN Module
Docking Connector	1 x 19-pin docking connector		

Environment

Operating Humidity	10% to 90% RH, non-condensing	**Operating Temperature**	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Storage Temperature	-30°C to 70°C	**Shock**	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	**IP rating**	IP65 certified, dustproof and waterproof
Drop	MIL-STD-810G Method 516.6, 4 ft		

Certification

Certification	CE, FCC

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	**Kensington Lock**	Kensington Lock Support

Control

Button	1 x Power,3 x function keys

Power

Battery	Hot-swappable 7.7V typ. 5900 mAh Li-Polymer Battery (2S1P) Optional 7.4V typ. 10280 mAh Li-Polymer Battery (2S2P)	**Battery Operating Time**	Standard Battery: 8 hours
Power Rating	19V DC	**Adapter**	100-240V, 50-60Hz (19V DC)

Accessory

Accessory	Adapter and Power Cord Capacitive Stylus Standard Battery	**Optional Accessory**	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

Barcode Scanner	1D/2D barcode reader (Optional)

DIMENSIONS   UNIT:MM

Winmate M116PT

300.67

201.97

22.5

① Camera
② LED Indicator
③ Power Switch
④ Function Button
⑤ Docking Connector

⑥ Smart Card Reader
⑦ Micro HDMI
⑧ Reset Button
⑨ USB Type-C
⑩ USB Type-A

⑪ Audio
⑫ Power Input
⑬ Micro SD Card Slot
⑭ Camera
⑮ Touch Pen Slot

NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. The USB Type-C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
3. Add-on modules require the expansion port option to be usable.
4. TPM 2.0 is available upon request.
5. SOTI is available upon request.
6. Measured at dimming LCD brightness. Varies depending on the usage conditions or when an external device is attached.
7. Length measurements do not include protrusions. Weight varies with options and active pen.
8. 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.
9. This is a simplified drawing, and some components are not marked in detail.