M116P

11.6" Rugged Tablet with Intel® Pentium® N4200

KEY FEATURES

- Intel® Pentium® N4200 1.1GHz (Turbo up to 2.5 GHz)
- 11.6" 1920 x 1080 LED panel with direct optical bonding Rugged Tablet
- IP65 water and dust proof with MIL-STD-810G rugged housing
- Optional Integrated 1D/2D Barcode Reader and HF RFID for data collection
- Removable battery with hot-swap function for all day productivity
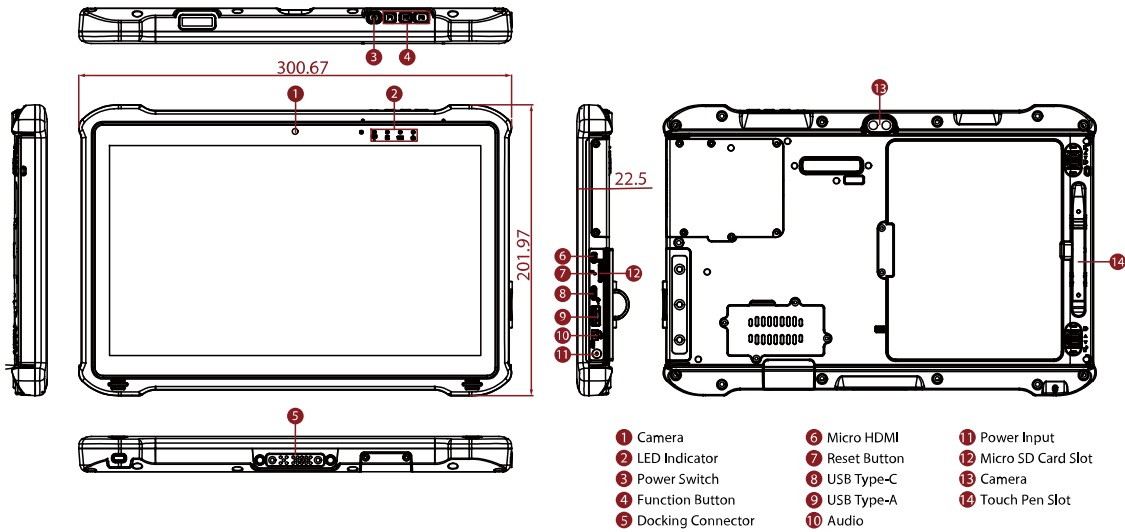- 802.11ac WiFi, BT 5.0, 4G LTE, GPS Wireless Connectivity

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	Resolution	1920x1080
Size	11.6 inches	Contrast Ratio	1000:1
Panel Brightness	850.0 nits	View Angles	85,85,85,85
Type	Projected Capacitive Multi Touch	Viewability	Anti-Glare touch treatment
Touch Mode	Support Hand/Rain, Stylus, Glove Mode		

System Specification

Processor	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	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)	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	Smart Card Reader Comply with ISO7816-1.2.3 T=1 and T=Ø protocol (Optional)

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	1.4 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	Docking Connector	1 x 19-pin docking connector

Environment

Operating Humidity	10% to 90% RH, non-condensing	Operating Temperature	-20°C to 60°C
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
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

WINMATE

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

300.67
201.97
22.5

1 Camera	6 Micro HDMI	11 Power Input
2 LED Indicator	7 Reset Button	12 Micro SD Card Slot
3 Power Switch	8 USB Type-C	13 Camera
4 Function Button	9 USB Type-A	14 Touch Pen Slot
5 Docking Connector	10 Audio	

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.