

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



OVERVIEW



Mobile Rugged Design

The M116P is designed for mobile rugged use, withstanding shock, vibration, and drop (satisfies 4 feet drop certification), and can be operated in a wide temperature of -20°C to 60°C, allowing the tablet to be used in harsh environments such as industrial and Defence use. With an IP65 rating, the device is dust-tight and can withstand water jet against the device enclosure. So, it can also be easily wiped cleaned to reduce the spread of infection for medical use.



Multi-touch Projected Capacitive Touch

The minimum 10-point Multi-touch PCAP Touch technology allows users to switch windows, take snapshots, zoom in and rotate easily to take full advantage of the Windows 10 IoT touch interface.



Sunlight Readable Wide-Angle Panel

M116P offers an 11.6" 1920x1200 LED high resolution, high brightness display, perfect for viewing under different conditions.



CPU Designed for Tablets

M116P is offered with Intel's Pentium N4200 processor to provide high performance and low power consumption, providing extended battery life. It supports with Windows® 10 IoT Enterprise operating system to fulfill the increasing requirement in industrial applications and provides an alternative solution for those between general consumer and extremely rugged applications.



Multiple Data Collection Methods, Real-time Data Connectivity

Real-time data access to the right information is critical to mobile users. M116P supports 4G/LTE, GPS, WiFi, BT to allow users to connect in the way that best suits their needs. Apart from the 2MP front camera and 8MP rear camera, the M116P is 1D/2D Barcode Reader, HF RFID Reader, and the add-on module for UHF RFID Reader and Smart Card Reader configurable.

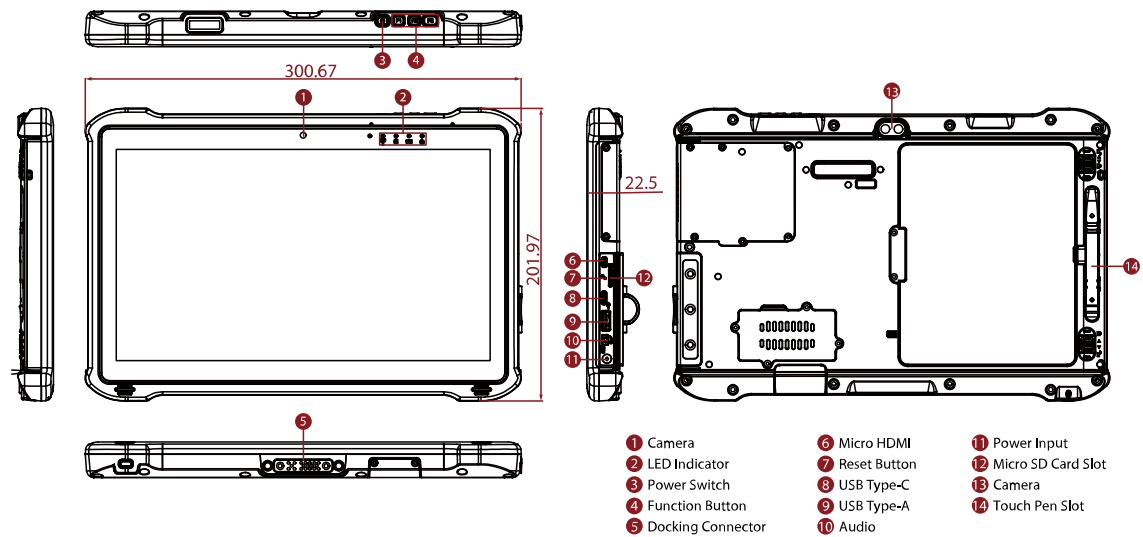
SPECIFICATIONS

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
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



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.