

# M900PT

8" Windows Industrial Rugged Tablet with Intel® Pentium® N4200



## KEY FEATURES

- Intel® Pentium® N4200 Apollo Lake processor, Windows tablets
- 8" daylight readable panel with direct optical bonding
- Default D-sub for vehicle gateway connection
- Built-in Smart Card Reader, Windows 10 tablets
- Optional Barcode Reader

## INTRODUCTION

Winmate M900 Rugged Tablet Series delivers compact, high-performance solutions for industrial and field applications. These tablets have an 8" IPS display that is easy to read in sunlight. The screen uses direct optical bonding and PCAP multitouch. This design ensures clear visibility and quick responses in any setting. The M900 Series is built to last. It has IP65-rated waterproof and dustproof protection. It features USB Type A and C connectors. You can also add smart card and barcode readers for more options. Ideal for vehicle gateway connections, industrial automation, and fieldwork tasks.

## SPECIFICATIONS

### Display

Resolution	1280x800	Size	8 inches
Contrast Ratio	800:1	Panel Brightness	510 nits
View Angles	85,85,85,85	Type	Projected Capacitive Multi Touch
Bonding	Optical Bonding for Sunlight Viewability		

### 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
Operating System	Windows 10 IoT Enterprise (64 bit)	WLAN	Support
BT	Support	WWAN	4G LTE (Optional)
GNSS	GPS, GLONASS	Sensors	Light sensor/ G-sensor / Gyro
Smart Card Reader	Built-in Smart Card Reader, Comply with ISO7816-1.2.3 T=1 and T=0 protocol		

### Camera

Front Camera	2MP Front Camera	Rear Camera	8MP Rear Camera with Autofocus and LED Light
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### Mechanical

Dimension	225 x 148 x 20.5 mm ( 10 x 7.76 x 0.8 inches)	Weight	0.9 kg with battery
Cooling System	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>Audio</b>	1 x Audio combo 3.5mm audio combo jack Dual Digital Mic With Noise Cancellation Dual Speaker
<b>Expansion Port</b>	1 x 15-pin D-sub connector for Power Input, USB 2.0, Audio Out, and Tx/Rx	<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 (AC mode), -10°C to 50°C (Battery mode)
<b>Storage Temperature</b>	-30°C to 70°C (-22°F to 158°F)	<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, 5 ft		

## Certification

<b>Certification</b>	CE, FCC, E-Mark
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## Security Function

<b>SOTI MobiControl</b>	SOTI MobiControl Compliance
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## Control

<b>Button</b>	1 x Power, 1 x menu, 3 x Programmable Function Keys
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## Power

<b>Battery</b>	7.6V, typ. 4200 mAh Li Polymer Battery (2S2P)	<b>Battery Operating Time</b>	8 Hours
<b>Power Rating</b>	19V DC	<b>Adapter</b>	100-240V, 50-60Hz / 19V DC

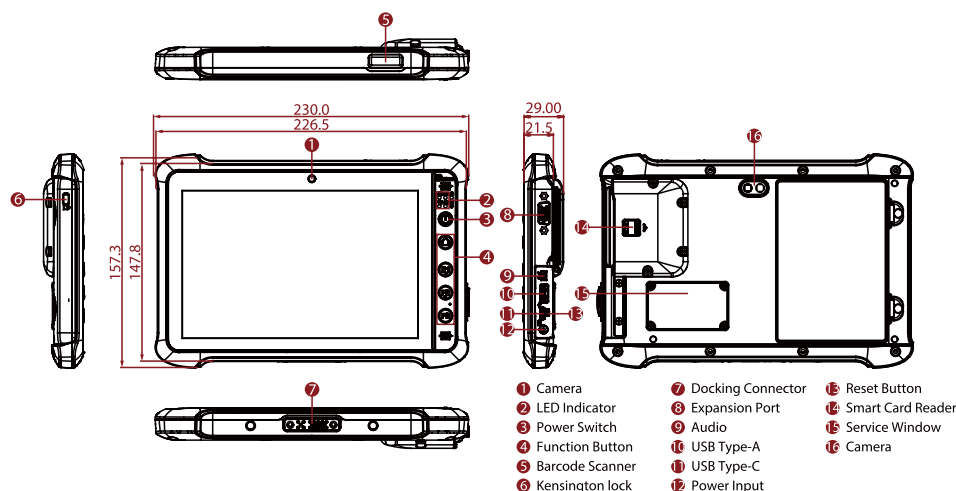
## Accessory

<b>Accessory</b>	Adapter and Power Cord Standard Battery Pack	<b>Optional Accessory</b>	Desk Dock (Optional) Vehicle Dock (Optional) Vehicle Gateway (Optional) Vehicle Cradle (Optional) Battery Charger (Optional) Vehicle Charger (Optional) Hand Strap (Optional) Capacitive Stylus (Optional)
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## Barcode Scanner

<b>Barcode Scanner</b>	1D/2D barcode reader (Optional)
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## DIMENSIONS UNIT:MM



## NOTE

1. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
2. Total usable memory will be less dependent upon actual system configuration.
3. The USB Type-C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
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.
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.