

# M900P

## 8 inch Windows rugged tablet



### KEY FEATURES

- Intel® Pentium® N4200 Apollo Lake processor
- 8" 1280 x 800 IPS LED Panel with direct optical bonding
- Projected Capacitive (P-Cap) multitouch
- Default D-sub for vehicle gateway connection
- USB 3.0 Type A, USB 3.0 Type C connectors
- IP65 waterproof and dustproof



### OVERVIEW



#### The Ultimate in Mobility

Weighing at just 2.2 lbs (approx. 900g), the M900P is engineered to deliver lightweight mobility in a compact tablet form factor. The &rdquo; sunlight-readable display features a user-friendly projected capacitive touch screen.



#### Intel®; Pentium®; N4200 Apollo Lake CPU

The M900P is a Windows 10-based device coming with an Intel®; Pentium®; N4200 Apollo Lake processor and genuine Intel graphics for high processing performance, low power consumption, and extended battery life.



#### Compact Form Factor, Rugged Design

The M900P rugged tablet survives harsh environments thanks to its solid enclosure with MIL-STD-810G certification and IP65 rating. Its wide operating temperature range ensures reliable operation under extreme conditions.



#### &rdquo; PCAP Multi-Touch Display with Optical Bonding Technology

Tailored for mobile workforces, the M900P boasts a brilliant &rdquo; display with optical bonding, a resolution 1280 x 800, and PCAP multi-touch to deliver a user-friendly multi-touch experience and outdoor viewability. Meanwhile, it supports rain/stylus/glove modes, meaning the touchscreen remains responsive in all conditions.



#### A True In-Vehicle Based Solution

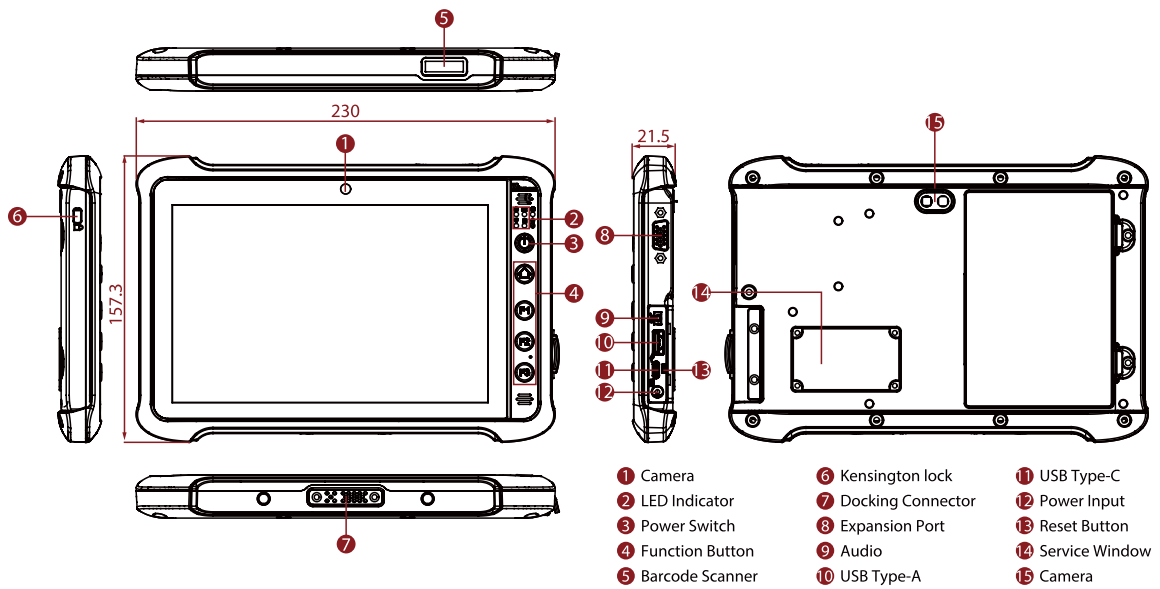
The M900P comes with optional peripherals such as a vehicle cradle and Vehicle Gateway VG100. Through the built-in D-Sub interface connector, the device will be connected to the Vehicle Gateway VG100, transmitting and receiving vehicle data for more powerful information integration. The solution is E-mark certified.

### SPECIFICATIONS

Display		Bonding	
Type	Projected Capacitive Multi Touch	Bonding	Optical Bonding for Sunlight Viewability
Resolution	1280x800	Size	8.0 inches

<b>Contrast Ratio</b>	1500:1	<b>Panel Brightness</b>	800.0 nits
<b>View Angles</b>	80,80,80,80		
<b>System Specification</b>			
<b>Processor</b>	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	<b>Memory</b>	4GB LPDDR4 8GB LPDDR4 (Optional)
<b>Storage</b>	128GB SSD Additional storage available with micro SDXC card slot 256GB SSD (Optional) 512GB SSD (Optional)	<b>Security</b>	Trusted Platform Module (TPM) 2.0
<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>	Mutually Exclusive with Barcode Reader HF RFID Reader 13.56 MHz (Optional) LF RFID Reader 125 KHz (Optional)
<b>Sensors</b>	Light sensor/ G-sensor / Gyro	<b>Smart Card Reader</b>	Smart Card Reader Comply with ISO7816-1.2.3 T=1 and T=Ø protocol (Optional)
<b>Camera</b>			
<b>Front Camera</b>	2MP Front Camera	<b>Rear Camera</b>	8MP Rear Camera with Autofocus and LED Light
<b>Mechanical</b>			
<b>Dimension</b>	225 x 148 x 20.5 mm ( 10 x 7.76 x 0.8 inches)	<b>Weight</b>	0.9 kg with battery
<b>Cooling System</b>	Fanless design		
<b>IO Ports</b>			
<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		
<b>Environment</b>			
<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 (-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		
<b>Certification</b>			
<b>Certification</b>	CE, FCC, E-Mark		
<b>Security Function</b>			
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance		
<b>Control</b>			
<b>Button</b>	1 x Power, 1 x menu, 3 x Programmable Function Keys		
<b>Power</b>			
<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
<b>Accessory</b>			
<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)
<b>Barcode Scanner</b>			
<b>Barcode Scanner</b>	1D/2D barcode reader (Optional)		

**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. Barcode Reader and RFID Scanner are mutually exclusive options.
5. Length measurements do not include protrusions. Weight varies with options.
6. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
7. Accessories and Integrated Options may vary depending on your configuration.
8. This is a simplified drawing and some components are not marked in detail.
9. 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.