

# M900EK

8" Windows Rugged Tablet with Intel® Celeron® N6211



## KEY FEATURES

- Intel Celeron N6211 Elkart Lake Processor rugged tablet PC
- 8" 1280x 800 IPS LED panel with direct optical bonding
- Optional expansion port DB15 connector
- Sunlight readable with antiglare solution
- Projected capacitive (PCAP) multitouch
- USB 3.0 type A, USB 3.0 type C connectors
- IP65 waterproof and dustproof

## INTRODUCTION

Winmate M900 Rugged Tablet Series delivers compact, high-performance solutions for industrial and field applications. Featuring an 8" sunlight-readable IPS display with direct optical bonding and PCAP multitouch, these tablets ensure clear visibility and responsive interaction in any environment. Built with IP65-rated waterproof and dustproof protection, USB Type A and C connectors, and optional smart card and barcode readers, the M900 Series is designed for durability and versatility. Ideal for vehicle gateway connections, industrial automation, and fieldwork tasks.

## SPECIFICATIONS

### Display

<b>Type</b>	Projected Capacitive Multi Touch	<b>Bonding</b>	Optical Bonding for Sunlight Viewability
<b>Resolution</b>	1280x800	<b>Size</b>	8.0 inches
<b>Contrast Ratio</b>	1500:1	<b>Panel Brightness</b>	800.0 nits
<b>View Angles</b>	80,80,80,80		

### System Specification

<b>Processor</b>	Intel Celeron N6211 1.2 GHz (turbo boost up to 2.60 GHz) Intel Pentium N6415 1.2 GHz (turbo boost up to 3.00 GHz) (Optional)	<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 11 IoT Enterprise LTSC (64 bit) Windows 10 IoT Enterprise LTSC (64 bit) (Optional)	<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=0 protocol (Optional)

### Camera

<b>Front Camera</b>	2MP Front Camera	<b>Rear Camera</b>	8MP Rear Camera with Autofocus and LED Light
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### Mechanical

<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		

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 15pin D-sub connector	<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
<b>Storage Temperature</b>	-30°C to 70°C (-22°F to 158°F)	<b>Shock</b>	MIL-STD-810H Method 516.8 Procedure I
<b>Vibration</b>	MIL-STD-810H Method 514.8 Procedure I	<b>IP rating</b>	IP65
<b>Drop</b>	MIL-STD-810H Method 516.8, 5 ft		

Certification	
<b>Certification</b>	CE, FCC

Security Function	
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance

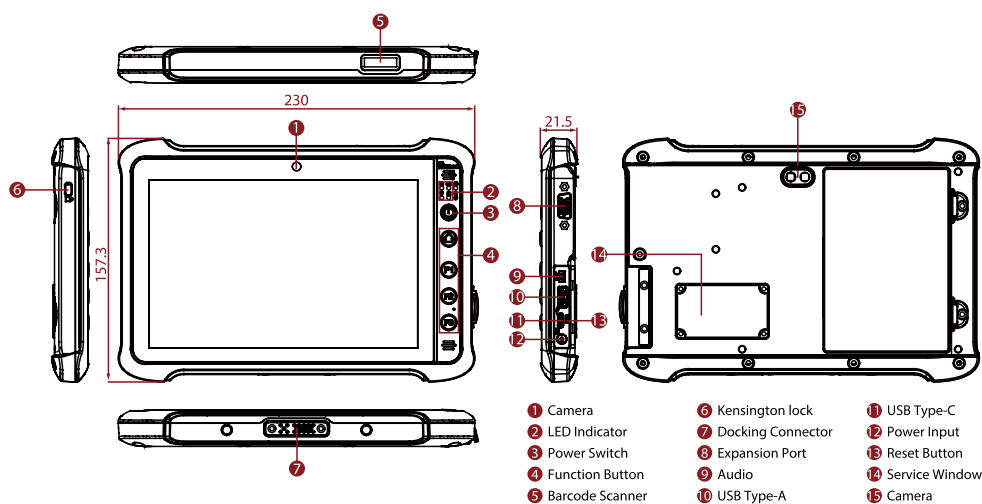
Control	
<b>Button</b>	1 x Power, 1 x menu, 3 x Programmable Function Keys

Power			
<b>Battery</b>	7.6V, typ. 4200 mAh Li Polymer Battery (2S2P)	<b>Battery Operating Time</b>	Standard. Battery: 6 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) USB-A Cable (Optional) Battery Charger (Optional) Vehicle Charger (Optional) Hand Strap (Optional) Vehicle Cradle (Optional) LAN Cable (Optional) Capacitive Stylus (Optional)

Barcode Scanner	
<b>Barcode Scanner</b>	1D/2D barcode reader (Optional)

## DIMENSIONS UNIT:MM



## NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. 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.