

# 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



### OVERVIEW



#### Rugged Tablet with 8" IPS LED Panel and Optical Bonding

Introducing the Winmate M900EK, a rugged tablet PC equipped with an 8" 1280x800 IPS LED panel with direct optical bonding. This advanced display technology ensures superior image quality, enhanced visibility, and reduced glare, making it suitable for various outdoor applications. The direct optical bonding technique eliminates air gaps between the display panel and the cover glass, resulting in improved sunlight readability and increased durability. It minimizes the internal reflection and maximizes the transmission of light, allowing for clear and vivid visuals even in bright sunlight.



#### Rugged Tablet with Optional Expansion Port and Sunlight Readability

The Winmate M900EK is a rugged tablet that offers an optional Expansion Port DB15 Connector, providing versatile connectivity options for various peripherals. Designed with sunlight readability in mind, it features an antiglare solution that ensures clear visibility even in bright outdoor environments. This allows users to work efficiently and comfortably in challenging lighting conditions. The M900EK combines durability and functionality, making it a reliable choice for industries such as field service, logistics, and outdoor operations where readability and connectivity are essential.



#### Rugged Tablet with IP65 Waterproof and Dustproof Rating

The Winmate M900EK is built to withstand harsh environments with its IP65 rating, providing waterproof and dustproof protection. This rugged tablet is designed to endure challenging conditions, ensuring reliable performance in industries such as manufacturing, logistics, and field service. With its IP65 certification, the M900EK can resist water splashes, dust particles, and other environmental contaminants, safeguarding its internal components. Users can confidently use this tablet in outdoor or demanding settings, knowing that it is well-equipped to withstand the elements and continue delivering optimal performance.



#### Rugged Tablet with USB 3.0 Type A and Type C Connectors

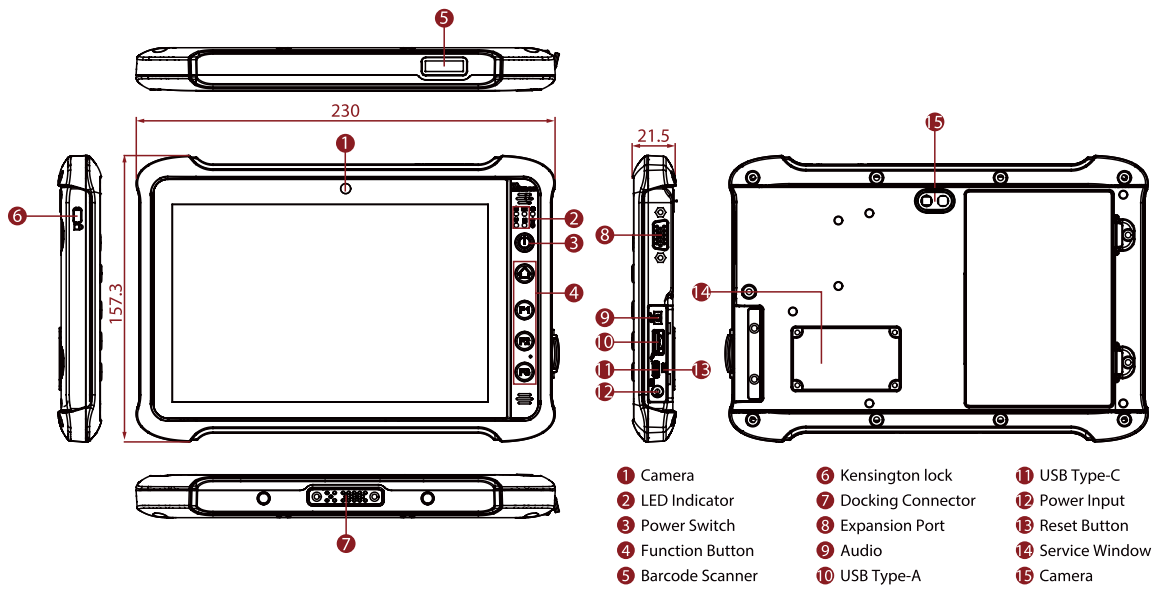
The Winmate M900EK is equipped with both USB 3.0 Type A and USB 3.0 Type C connectors, allowing for high-speed data transfer and versatile connectivity. With USB 3.0 technology, users can enjoy faster file transfers and improved performance when connecting external devices. Whether it's transferring large files, connecting to peripherals, or charging devices, the M900EK's USB 3.0 ports provide seamless and efficient data transmission. This ensures that users can work efficiently and effectively, maximizing productivity in various industries and applications.

### SPECIFICATIONS

Display		System Specification	
Type	Projected Capacitive Multi Touch	Processor	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)
Resolution	1280x800	Memory	4GB LPDDR4 8GB LPDDR4 (Optional)
Contrast Ratio	1500:1	Storage	128GB SSD Additional storage available with micro SDXC card slot
View Angles	80,80,80,80	Bonding	Optical Bonding for Sunlight Viewability
		Size	8.0 inches
		Panel Brightness	800.0 nits
		Security	Trusted Platform Module (TPM) 2.0

<b>Operating System</b>	256GB SSD (Optional) 512GB SSD (Optional) Windows 10 IoT Enterprise LTSC (64 bit) Windows 11 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=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 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		
<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-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		
<b>Certification</b>			
<b>Certification</b>	CE, FCC		
<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>	Standard. Battery: 6 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) USB-A Cable (Optional) Battery Charger (Optional) Vehicle Charger (Optional) Hand Strap (Optional) Vehicle Cradle (Optional) LAN Cable (Optional) Capacitive Stylus (Optional)
<b>Barcode Scanner</b>			
<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.