

# M900AD

8" Windows Rugged Tablet with Intel® Core™ 5 120U



## KEY FEATURES

- Intel® Core™ 5 Processor 120U rugged tablet PC
- 8" 1280 x 800 IPS LED Panel with direct optical bonding
- Integrated GigaLAN port
- USB 3.0 type C lockable connectors
- Sunlight readable with anti-glare solution
- Projected capacitive (PCAP) multitouch
- IP66 waterproof and dustproof

## INTRODUCTION

The 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 IP66-rated waterproof and dustproof protection, USB Type A, and lockable USB Type C connectors. The M900 Series is designed for durability and versatility. Ideal for 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® Core™ 5 processor 120U (up to 5 GHz)	<b>Memory</b>	8GB (Default) 16GB (Optional)
<b>Storage</b>	256GB SSD (Default) 512GB SSD (Optional) 1TB SSD (Optional)	<b>Security</b>	Trusted Platform Module (TPM) 2.0
<b>Operating System</b>	Windows 11 IoT Enterprise LTSC (64 bit) (Default) Windows 10 IoT Enterprise LTSC (64 bit) (Optional)	<b>WLAN</b>	Support
<b>BT</b>	Support	<b>WWAN</b>	4G LTE (Optional) 5G (Optional)
<b>GNSS</b>	GPS, GLONASS	<b>RFID</b>	HF RFID 13.56 MHz reader (Optional)
<b>Sensors</b>	Light sensor/ G-sensor / Gyro		

### 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>	226.5 x 147.8 x 26.8 mm	<b>Weight</b>	1.0 kg with battery
<b>Cooling System</b>	Fan Design		

### IO Ports

<b>USB Port</b>	1 x USB 3.0 (Type A), 2 x USB 3.0 (Type C, Lockable, support Power Delivery 20V In and ALT mode)	<b>SIM Card Slot</b>	1 x Nano SIM card slot
<b>Audio</b>	Dual Digital Mic Dual Speaker	<b>LAN</b>	1 x RJ45-10/100/1000 GigaLAN port
<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>	IP66
<b>Drop</b>	MIL-STD-810H Method 516.8, 5 ft	<b>EMC</b>	USA: MIL-STD-461G CE101, CE102, RE101, RE102, CS118(Default) (Default) MIL-STD-461G CS101, CS114, CS115, CS116, RS101, RS103 (Optional) MIL-STD-461G RE102 Ground Army Grade (Optional) NATO: STANAG 4370/AECTP501 NCE01, NCE02, NRE01, NRE02, NCS12(Default) STANAG 4370/AECTP501 NCS01, NCS07, NCS08, NCS09, NRS01, NRS02 (Optional) STANAG 4370/AECTP501 NRE02-2 Land Environment (Optional)

### Certification

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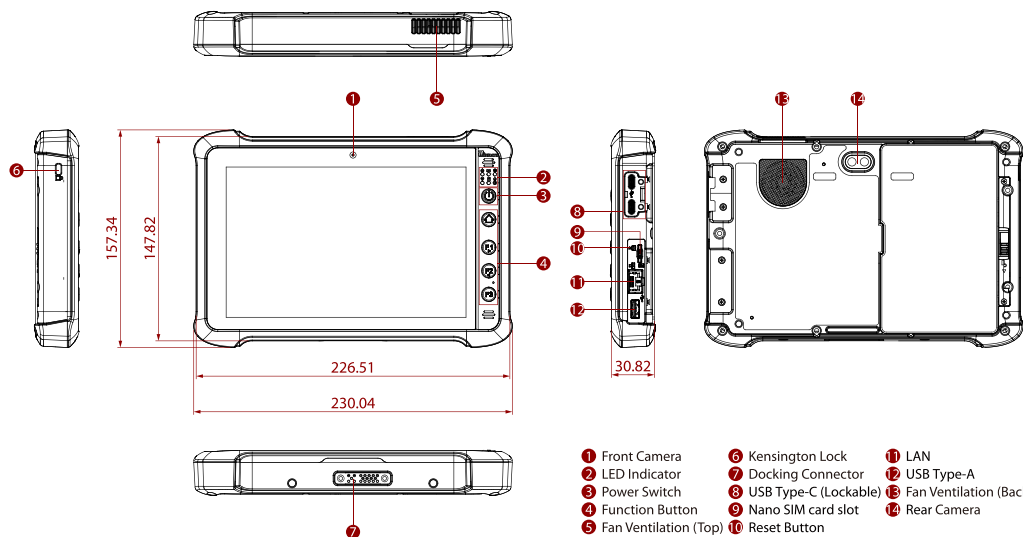
### Power

<b>Battery</b>	11.55V, typ. 3220 mAh Li Polymer Battery (3S1P)	<b>Battery Operating Time</b>	Standard. Battery: 6 hours
<b>Power Rating</b>	20V DC	<b>Adapter</b>	100-240V, 50-60Hz / 20V DC

### Accessory

<b>Accessory</b>	Adapter and Power Cord Standard Battery	<b>Optional Accessory</b>	Battery Charger (Optional) Vehicle Charger (Optional) Hand Strap (Optional) Lockable USB-C cable (Optional) Capacitive Stylus (Optional)
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## 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.