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

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

System Specification

Processor	Intel® Core™ 5 processor 120U (up to 5 GHz)	**Memory**	8GB (Default) 16GB (Optional)
Storage	256GB SSD (Default) 512GB SSD (Optional) 1TB SSD (Optional)	**Security**	Trusted Platform Module (TPM) 2.0
Operating System	Windows 11 IoT Enterprise LTSC (64 bit) (Default) Windows 10 IoT Enterprise LTSC (64 bit) (Optional)	**WLAN**	Support
BT	Support	**WWAN**	4G LTE (Optional) 5G (Optional)
GNSS	GPS, GLONASS	**RFID**	HF RFID 13.56 MHz reader (Optional)
Sensors	Light sensor/ G-sensor / Gyro		

Camera

Front Camera	2MP Front Camera	**Rear Camera**	8MP Rear Camera with Autofocus and LED Light

Mechanical

Dimension	226.5 x 147.8 x 26.8 mm	**Weight**	1.0 kg with battery
Cooling System	Fan Design		

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IO Ports

USB Port	1 x USB 3.0 (Type A), 2 x USB 3.0 (Type C, Lockable, support Power Delivery 20V In and ALT mode)	**SIM Card Slot**	1 x Nano SIM card slot
Audio	Dual Digital Mic Dual Speaker	**LAN**	1 x RJ45-10/100/1000 GigaLAN port
Indicator	4x LED Indicator for Power, Battery, HDD, RF status	**Docking Connector**	1 x 19-pin docking connector

Environment

Operating Humidity	10% to 90% RH, non-condensing	**Operating Temperature**	-20°C to 60°C
Storage Temperature	-30°C to 70°C (-22°F to 158°F)	**Shock**	MIL-STD-810H Method 516.8 Procedure I
Vibration	MIL-STD-810H Method 514.8 Procedure I	**IP rating**	IP66
Drop	MIL-STD-810H Method 516.8, 5 ft	**EMC**	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

Certification	CE, FCC

Security Function

SOTI MobiControl	SOTI MobiControl Compliance

Control

Button	1 x Power,1 x menu, 3 x Programmable Function Keys

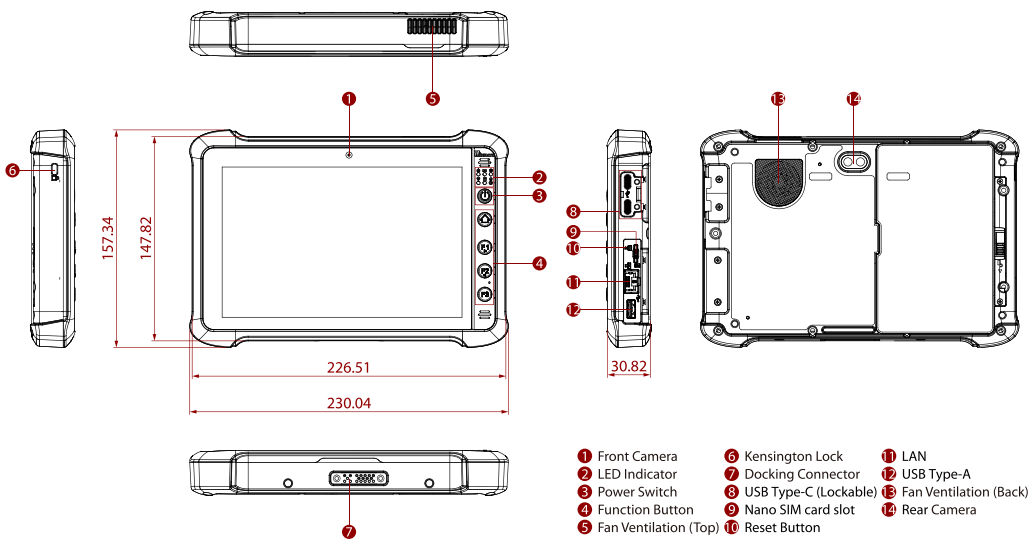
Power

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

Accessory

Accessory	Adapter and Power Cord Standard Battery	**Optional Accessory**	Battery Charger (Optional) Vehicle Charger (Optional) Hand Strap (Optional) Lockable USB-C cable (Optional) Capacitive Stylus (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.