

M101AN

10.1" Windows Rugged Tablet with Intel® Processor N150



CE
FCC

KEY FEATURES

- Intel® Processor N150
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- IP65 water and dust proof with MIL-STD-810H rugged housing
- Low power consumption with fanless design
- Removable battery with hot-swap function for all day productivity
- Sunlight readable with antiglare solution
- USB Type-C port supports power delivery 20V In
- Integrated 4G/5G Wireless WWAN (Optional)

INTRODUCTION

Winmate M101AN Series Rugged Tablet delivers robust performance, versatility, and durability for demanding environments. Powered by Intel® Processor N150, it delivers higher computing efficiency as a cost-effective solution for multitasking. The 10.1" display is easy to read in sunlight, utilizing anti-glare technology and direct optical bonding. Built to resist water and dust with an IP65 rating and meeting MIL-STD-810H standards, the M101AN also features hot-swappable battery options for continuous operation. This design ensures peak performance in tough conditions, making it a powerful and economical choice for fieldwork, industrial tasks, and data collection.

SPECIFICATIONS

Display

Resolution	1920x1200	Size	10.1 inches
Contrast Ratio	800:1	Panel Brightness	800.0 nits
View Angles	85,85,85,85	Type	Projected Capacitive Multi Touch
Viewability	Anti-Glare touch treatment	Bonding	Optical Bonding for Sunlight Viewability

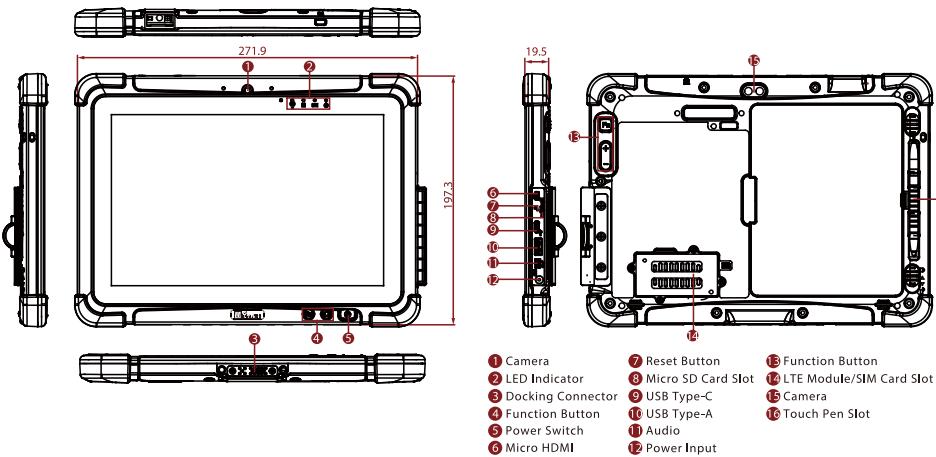
System Specification

Processor	Intel N150 (up to 3.6 GHz)	Memory	4GB LPDDR4 (Default) 8GB LPDDR4 (Optional) 16GB LPDDR4 (Optional)
Storage	128GB SSD Additional storage available with micro SDXC card slot (Default) 256GB SSD (Optional) 512GB SSD (Optional)	Security	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 11 IoT Enterprise LTSC (64 bit) (Default) Windows 10 IoT Enterprise LTSC (64 bit) (Optional)	WLAN	Support
BT	Support	WWAN	4G (Optional) 5G (Optional)
GNSS	GPS, GLONASS	RFID	HF RFID 13.56 MHz reader (Optional) add-on UHF RFID Reader (Optional)
Sensors	Light sensor/ G-sensor / Gyro	Smart Card Reader	Add-on Smart Card Reader (Optional)

Camera

Front Camera	2MP Front Camera	Rear Camera	8MP Rear Camera with auto-focus and LED light
Mechanical			
Dimension	271.9 x 197.3 x 19.5 mm	Weight	1.2 kg (2.65 lbs) with standard battery, 1.4 kg (3.1 lbs) with optional high capacity battery
Cooling System			
IO Ports			
USB Port	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type-C support Power Delivery 20V In)	SD Card Slot	1 x Micro SD Card slot (Support SDXC)
SIM Card Slot	1 x SIM card slot	Video	1 x Micro HDMI Output (Optional)
Audio	1 x Audio combo 3.5mm audio combo jack (Mic in or Line Out) Dual Digital Mic With Noise Cancellation Dual Speaker	Expansion Port	1 x Expansion connector (Optional)
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-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP65
Drop	MIL-STD-810G Method 516.6, 4 ft		
Certification			
Certification	CE, FCC		
Control			
Button	1 x Power, 1 x Home, 2 x Volume, 2 x Programmable Function Keys		
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock Support
Accessory			
Accessory	Adapter and Power Cord Capacitive Stylus Standard Battery	Optional Accessory	Desk Dock (Optional) Vehicle Dock (without VGA output) (Optional) Vehicle Cradle (Optional) Battery Charger (Optional) Smart Card Reader (Optional) High Capacity Battery (Optional) Hand Strap (Optional) VESA Mount Kit (Optional) Shoulder Strap (Optional) Carry Bag (Optional) Vehicle Charger (Optional)
Barcode Scanner			
Barcode Scanner	1D/2D barcode reader (Optional)		
Power			
Battery	Hot-swappable 7.7V, typ. 5900 mAh Li-Polymer Battery (2S1P) (Default) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)	Battery Operating Time	Standard. Battery: 9 hours High Capacity Battery: 16 hours
Power Rating	19V DC	Adapter	100-240V, 50-60Hz / 19V DC

DIMENSIONS UNIT:MM



NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. The USB Type-C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT).
3. Add-on modules require the expansion port option to be usable.
4. TPM 2.0 available upon request.
5. SOTI is available upon request.
6. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
7. Length and weight measurements do not include protrusions.
8. The drop test with a high-capacity battery must come with a hand strap.
9. Accessories and Integrated Options may vary depending on your configuration.
10. This is a simplified drawing and some components are not marked in detail.
11. 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.