

# M101AN

10.1" Windows Rugged Tablet with Intel® Processor N150



## 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

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

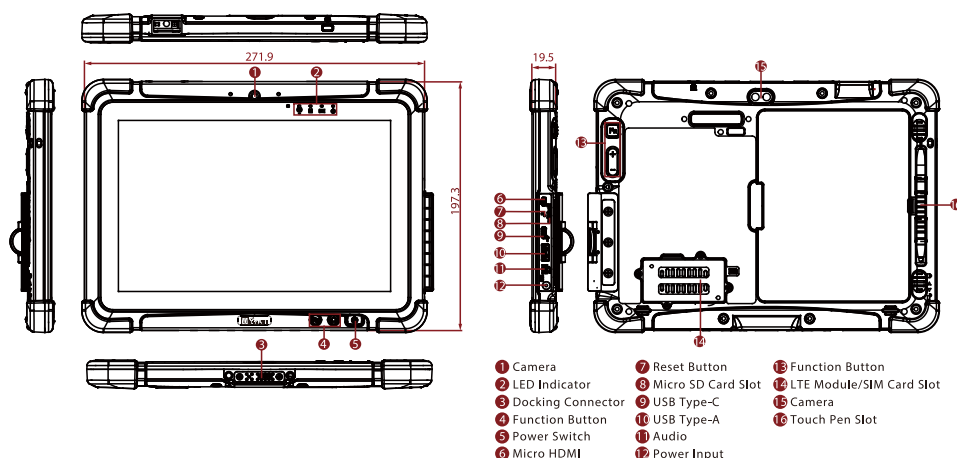
### System Specification

<b>Processor</b>	Intel N150 (up to 3.6 GHz)	<b>Memory</b>	4GB (Default) 8GB (Optional) 16GB (Optional)
<b>Storage</b>	128GB SSD Additional storage available with micro SDXC card slot (Default) 256GB SSD (Optional) 512GB SSD (Optional)	<b>Security</b>	Trusted Platform Module (TPM) 2.0 Kensington Lock
<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 (Optional) 5G (Optional)
<b>GNSS</b>	GPS, GLONASS	<b>RFID</b>	HF RFID 13.56 MHz reader (Optional) add-on UHF RFID Reader (Optional)
<b>Sensors</b>	Light sensor/ G-sensor / Gyro	<b>Smart Card Reader</b>	Add-on Smart Card Reader (Optional)

### Camera

<b>Front Camera</b>	2MP Front Camera	<b>Rear Camera</b>	8MP Rear Camera with auto-focus and LED light
<b>Mechanical</b>			
<b>Dimension</b>	271.9 x 197.3 x 19.5 mm	<b>Weight</b>	1.2 kg (2.65 lbs) with standard battery, 1.4 kg (3.1 lbs) with optional high capacity 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 support Power Delivery 20W In)	<b>SD Card Slot</b>	1 x Micro SD Card slot (Support SDXC)
<b>SIM Card Slot</b>	1 x SIM card slot	<b>Video</b>	1 x Micro HDMI Output (Optional)
<b>Audio</b>	1 x Audio combo 3.5mm audio combo jack (Mic in or Line Out) Dual Digital Mic With Noise Cancellation Dual Speaker	<b>Expansion Port</b>	1 x Expansion connector (Optional)
<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 516.6 Procedure I
<b>Vibration</b>	MIL-STD-810H Method 514.6 Procedure I	<b>IP rating</b>	IP65
<b>Drop</b>	MIL-STD-810H Method 516.6, 4 ft		
<b>Certification</b>			
<b>Certification</b>	CE, FCC		
<b>Control</b>			
<b>Button</b>	1 x Power, 1 x Home, 2 x Volume, 2 x Programmable Function Keys		
<b>Security Function</b>			
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance	<b>Kensington Lock</b>	Kensington Lock Support
<b>Accessory</b>			
<b>Accessory</b>	Adapter and Power Cord Capacitive Stylus Standard Battery	<b>Optional Accessory</b>	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)
<b>Barcode Scanner</b>			
<b>Barcode Scanner</b>	1D/2D barcode reader (Optional)		
<b>Power</b>			
<b>Battery</b>	Hot-swappable 7.7V, typ. 5900 mAh Li-Polymer Battery (2S1P) (Default) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)	<b>Battery Operating Time</b>	Standard. Battery: 9 hours High Capacity Battery: 16 hours
<b>Power Rating</b>	19V DC	<b>Adapter</b>	100-240V, 50-60Hz / 19V DC

## DIMENSIONS UNIT:MM



## NOTE

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