

# M101AD-EX

## 10.1" Windows ATEX Rugged Tablet with Intel® Core™ i5-1235U



### KEY FEATURES

- Intel® Core™ i5-1235U Alder Lake processor
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Sunlight readable with antiglare solution
- Allows cross-zone operations in hazardous and explosive environments
- Ex Certificate: Class I Division 2 (CID2), ATEX/IECEX Zone 2
- USB Type C port support PD 3.0 and ALT mode
- MIL-STD-461G and MIL-STD-810H Compliant

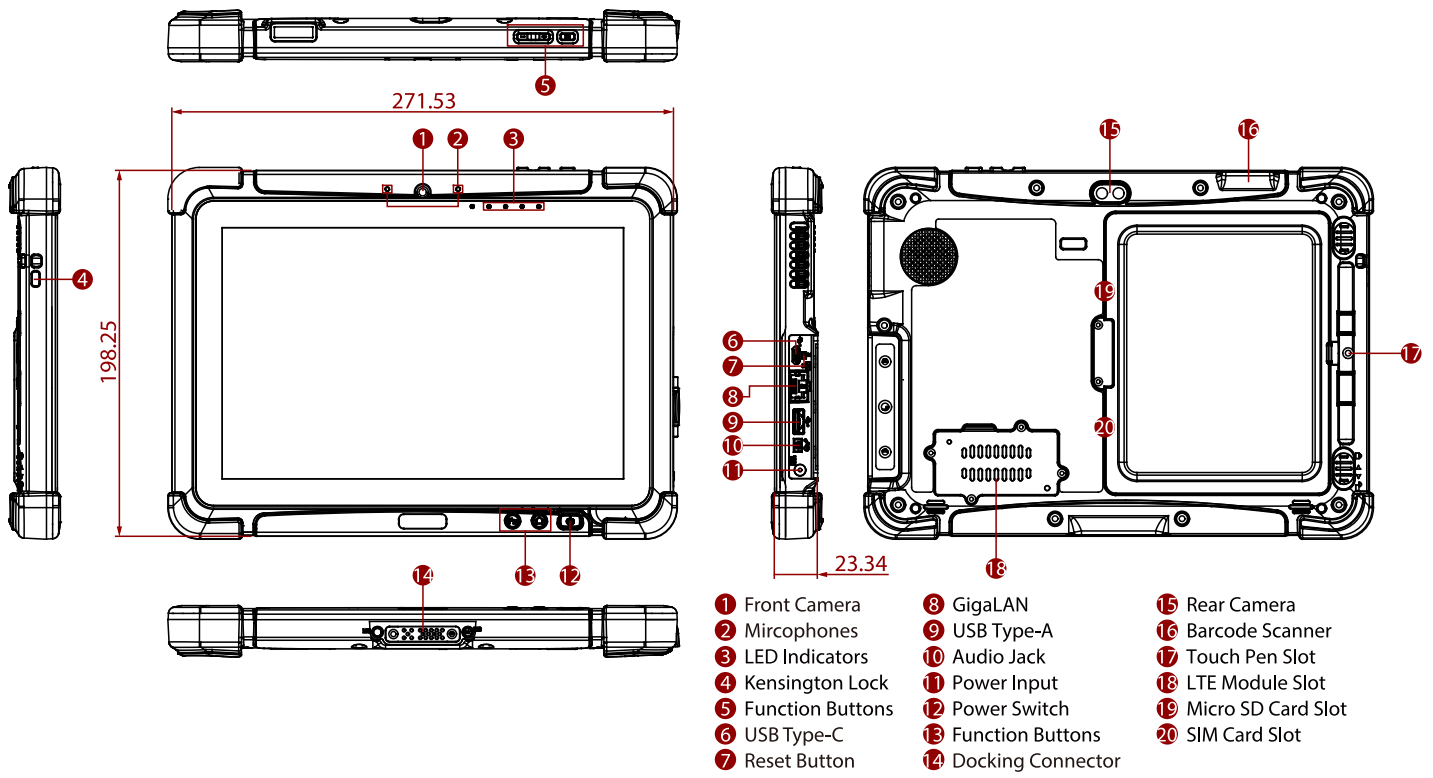


### SPECIFICATIONS

Display	
<b>Resolution</b>	1920x1200
<b>Contrast Ratio</b>	800:1
<b>View Angles</b>	85,85,85,85
<b>Viewability</b>	Anti-Glare touch treatment
<b>Size</b>	10.1 inches
<b>Panel Brightness</b>	800.0 nits
<b>Type</b>	Projected Capacitive Multi Touch
<b>Bonding</b>	Optical Bonding for Sunlight Viewability
System Specification	
<b>Processor</b>	Intel Core i5-1235U (up to 4.4GHz)
<b>Storage</b>	256GB M.2 NVMe SSD Additional storage available with micro SDXC card slot 512GB M.2 NVMe SSD (Optional) 1TB M.2 NVMe SSD (Optional) 2TB M.2 NVMe SSD (Optional)
<b>Memory</b>	8GB DDR5 SDRAM 16GB DDR5 SDRAM (Optional) 32GB DDR5 SDRAM (Optional)
<b>Operating System</b>	Windows 10 IoT Enterprise LTSC (64 bit) Windows 11 IoT Enterprise LTSC (64 bit) (Optional)
<b>Security</b>	Trusted Platform Module (TPM) 2.0 Kensington Lock
<b>BT</b>	Support
<b>WLAN</b>	Support
<b>GNSS</b>	GPS, GLONASS
<b>WWAN</b>	4G LTE (Optional) 5G (Optional)
<b>Sensors</b>	Light sensor/ G-sensor / Gyro
<b>RFID</b>	HF RFID reader 13.56 MHz (Optional)
Camera	
<b>Front Camera</b>	2MP Front Camera
<b>Rear Camera</b>	8MP Rear Camera with auto-focus and LED light
Mechanical	
<b>Dimension</b>	271.5 x 198.2 x 23.3 mm
<b>Weight</b>	1.2 kg
<b>Cooling System</b>	Fan Design
IO Ports	
<b>USB Port</b>	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type-C support Power Delivery 20V In and ALT mode)
<b>SD Card Slot</b>	1 x Micro SDXC slot
<b>SIM Card Slot</b>	1 x Nano SIM card slot
<b>Audio</b>	1 x Audio combo 3.5mm audio combo jack Dual Digital Mic With Noise Cancellation 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>	IP65
<b>Drop</b>	MIL-STD-810H Method 516.8, 4 ft	<b>EMC</b>	MIL-STD-461G CE101, CE102, RE101, RE102, CS118 (Default) MIL-STD-461G CS101, CS114, CS115, CS116, RS101, RS103 (Optional)
Certification			
<b>Certification</b>	CE, FCC Hazardous Location Safety: Class I Division 2, ATEX/IECEX Zone 2		
Security Function			
<b>SOTI MobiControl</b>	SOTI MobiControl Compliance	<b>Kensington Lock</b>	Kensington Lock Support
Control			
<b>Button</b>	1 x Power, 1 x Home 2 x volume key 2 x Programmable function Keys		
Power			
<b>Battery</b>	Hot-swappable 11.55V, typ. 4558 mAh Li-Polymer Battery (3S2P)	<b>Battery Operating Time</b>	Standard. Battery: 8 hours
<b>Power Rating</b>	19V DC	<b>Adapter</b>	100-240V, 50-60Hz / 19V DC
Accessory			
<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) Vehicle Charger (Optional) High Capacity Battery (Optional) Hand Strap (Optional) Shoulder Strap (Optional) Carry Bag (Optional)
Barcode Scanner			
<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.