

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	
Resolution	1920x1200
Contrast Ratio	800:1
View Angles	85,85,85,85
Viewability	Anti-Glare touch treatment
Size	10.1 inches
Panel Brightness	800.0 nits
Type	Projected Capacitive Multi Touch
Bonding	Optical Bonding for Sunlight Viewability
System Specification	
Processor	Intel Core i5-1235U (up to 4.4GHz)
Storage	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)
Memory	8GB DDR5 SDRAM 16GB DDR5 SDRAM (Optional) 32GB DDR5 SDRAM (Optional)
Operating System	Windows 10 IoT Enterprise LTSC (64 bit) Windows 11 IoT Enterprise LTSC (64 bit) (Optional)
Security	Trusted Platform Module (TPM) 2.0 Kensington Lock
BT	Support
WLAN	Support
GNSS	GPS, GLONASS
WWAN	4G LTE (Optional) 5G (Optional)
Sensors	Light sensor/ G-sensor / Gyro
RFID	HF RFID reader 13.56 MHz (Optional)
Camera	
Front Camera	2MP Front Camera
Rear Camera	8MP Rear Camera with auto-focus and LED light
Mechanical	
Dimension	271.5 x 198.2 x 23.3 mm
Weight	1.2 kg
Cooling System	Fan Design
IO Ports	
USB Port	1 x USB 3.0 (Type A), 1 x USB 3.0 (Type-C support Power Delivery 20V In and ALT mode)
SD Card Slot	1 x Micro SDXC slot
SIM Card Slot	1 x Nano SIM card slot
Audio	1 x Audio combo 3.5mm audio combo jack Dual Digital Mic With Noise Cancellation 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	IP65
Drop	MIL-STD-810H Method 516.8, 4 ft	EMC	MIL-STD-461G CE101, CE102, RE101, RE102, CS118 (Default) MIL-STD-461G CS101, CS114, CS115, CS116, RS101, RS103 (Optional)

Certification

Certification	CE, FCC Hazardous Location Safety: Class I Division 2, ATEX/IECEX Zone 2
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Security Function

SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock Support
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Control

Button	1 x Power, 1 x Home 2 x volume key 2 x Programmable function Keys
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Power

Battery	Hot-swappable 11.55V, typ. 4558 mAh Li-Polymer Battery (3S2P)	Battery Operating Time	Standard. Battery: 8 hours
Power Rating	19V DC	Adapter	100-240V, 50-60Hz / 19V DC

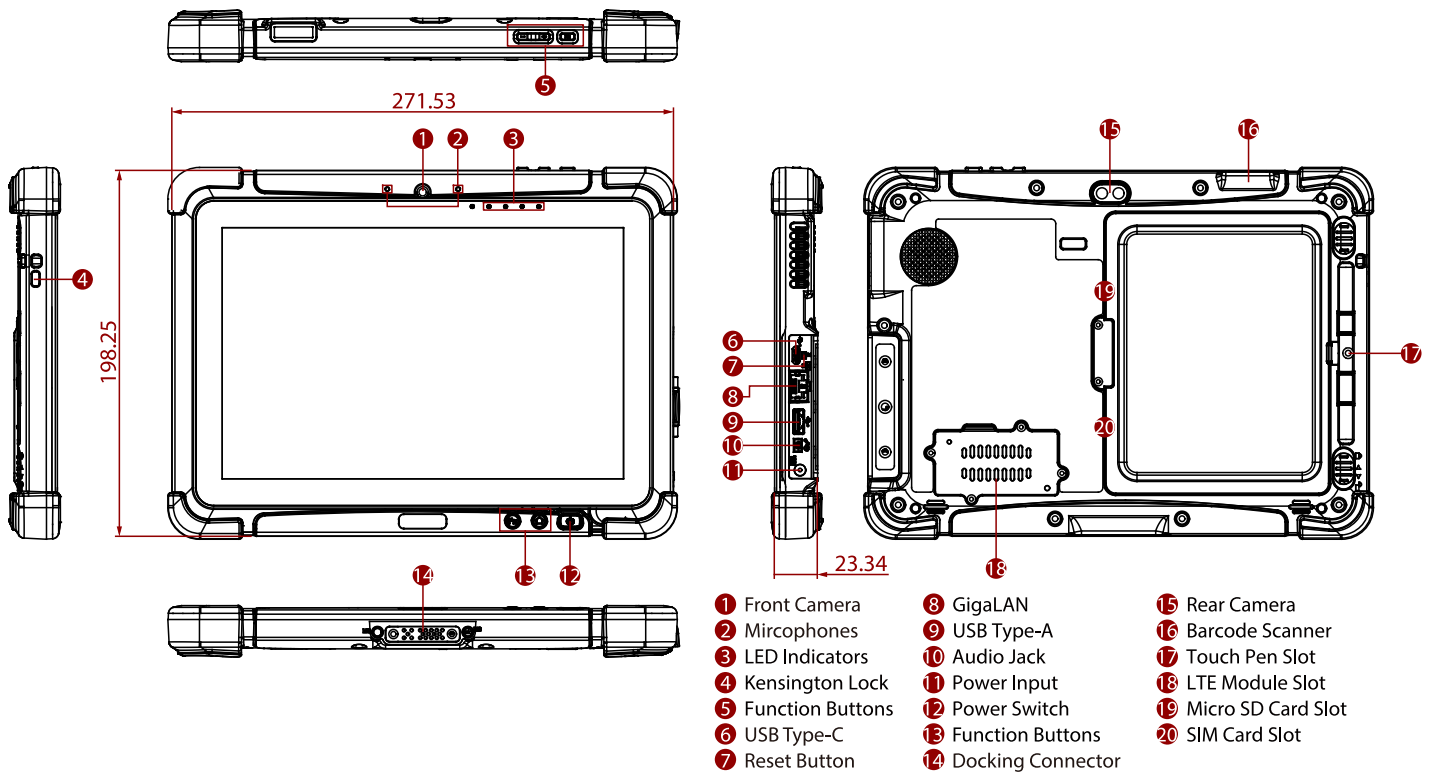
Accessory

Accessory	Adapter and Power Cord Capacitive Stylus Standard Battery	Optional Accessory	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)
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Barcode Scanner

Barcode Scanner	1D/2D barcode reader (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.