M101AD

10.1" Windows Rugged Tablet PC 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
- Hot-swappable battery design
- USB TypeC port support PD 3.0 and ALT mode
- Integrated GigaLAN Port
- MIL-STD-461G and MIL-STD-810H Compliant
- IP65 waterproof and dustproof

INTRODUCTION

Winmate M101 Series Rugged Tablet delivers robust performance, versatility, and durability for demanding environments. It has a 10.1” display that is easy to read in sunlight. The screen uses anti-glare technology and direct optical bonding. It works with Windows or Android for smooth compatibility. The M101 Series is built to resist water and dust with an IP65 rating. It meets MIL-STD-810H standards and has hot-swappable battery options. This design ensures it works well in tough conditions. It is perfect 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 Core i5-1235U (up to 4.4GHz)	**Memory**	8GB (Default) 16GB (Optional) 32GB (Optional)
Storage	128GB SSD Additional storage available with micro SDXC card slot (Default) 256GB SSD (Optional) 512GB SSD (Optional) 1TB SSD (Optional) 2TB 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 LTE (Optional) 5G (Optional)
GNSS	GPS, GLONASS	**RFID**	HF RFID reader 13.56 MHz (Optional)
Sensors	Light sensor/ G-sensor / Gyro		

Camera

Front Camera	2MP Front Camera	**Rear Camera**	8MP Rear Camera with auto-focus and LED light

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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 CE102, RE102, CS118 (Default) (Default) MIL-STD-461G CS101, CS114, CS115, CS116, RS103 (Optional)

Certification

Certification	CE, FCC

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	**Kensington Lock**	Kensington Lock Support

Control

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

Power

Battery	Hot-swappable 11.55V, typ. 4558 mAh Li-Polymer Battery (3S2P) (Default) Optional 15.4V, typ. 5900 mAh Li-Polymer Battery (4S1P)	**Battery Operating Time**	Standard. Battery: 8 hours
Power Rating	19V DC	**Adapter**	100-240V, 50-60Hz / 19V DC

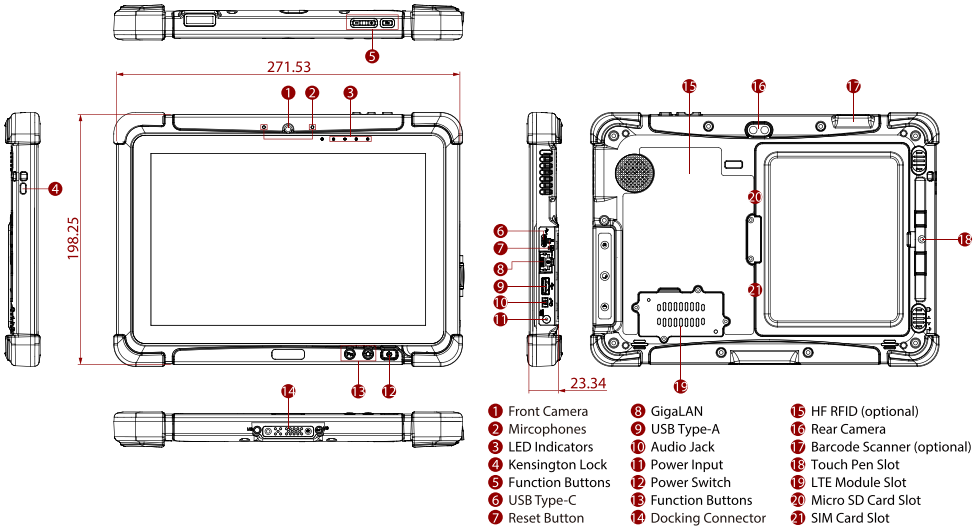
Accessory

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)

Barcode Scanner

Barcode Scanner	1D/2D barcode reader (Optional)

DIMENSIONS UNIT:MM



1 Front Camera
2 Mircophones
3 LED Indicators
4 Kensington Lock
5 Function Buttons
6 USB Type-C
7 Reset Button
8 GigaLAN
9 USB Type-A
10 Audio Jack
11 Power Input
12 Power Switch
13 Function Buttons
14 Docking Connector
15 HF RFID (optional)
16 Rear Camera
17 Barcode Scanner (optional)
18 Touch Pen Slot
19 LTE Module Slot
20 Micro SD Card Slot
21 SIM Card Slot

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.