WINMATE

M116AD
11.6" Windows Rugged Tablet PC with Intel® Core™ i5-1235U

CE
FC
COMPLIANT MIL-STD 810H

KEY FEATURES

- 11.6" 1920 x 1080, 850 nits IPS LED Panel with direct optical bonding
- Intel® Core™ i5-1235U Alder Lake processor
- IP65 waterproof and dustproof, MIL-STD-810H shock, vibration and drop resistance
- Sunlight readable with antiglare solution
- Hotswappable battery design
- USB TypeC port support power delivery 20V In

INTRODUCTION

Winmate M116 Series Rugged Tablet offers durability, performance, and versatility for demanding industrial and field applications. Featuring an 11.6" sunlight-readable display with direct optical bonding and anti-glare technology, the M116 Series ensures clear visibility in challenging environments. Built with IP65-rated protection, MIL-STD-810H compliance, and a hot-swappable battery design, it delivers reliable operation in harsh conditions. Its lightweight yet rugged design makes it ideal for data collection, logistics, and mission-critical tasks.

SPECIFICATIONS

Display

Bonding	Optical Bonding for Sunlight Viewability	**Resolution**	1920x1080
Size	11.6 inches	**Contrast Ratio**	1000:1
Panel Brightness	850.0 nits	**View Angles**	85,85,85,85
Type	Projected Capacitive Multi Touch	**Viewability**	Anti-Glare touch treatment
Touch Mode	Support Hand/Rain, Stylus, Glove Mode		

System Specification

Processor	Intel Core i5-1235U (up to 4.4GHz)	**Memory**	8GB DDR5 SDRAM 16GB DDR5 SDRAM (Optional) 32GB DDR5 SDRAM (Optional)
Storage	256GB M.2 NVMe SSD Additional storage available with micro SDXC card slot (Optional) 512GB M.2 NVMe SSD (Optional) 1TB M.2 NVMe SSD (Optional) 2TB M.2 NVMe SSD (Optional)	**Security**	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 11 IoT Enterprise LTSC (64 bit) 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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1

Mechanical

Dimension	300.67 x 201.97 x 22.5 mm	**Weight**	1.4 kg (3.1 lbs) with standard battery
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)	**SD Card Slot**	1 x Micro SDXC slot
SIM Card Slot	1 x Micro SIM card slot	**Video**	1 x Micro HDMI (Optional)
Audio	1 x Audio combo 3.5mm audio combo jack Dual Digital Mic With Noise Cancellation	**LAN**	1 x RJ45-10/100/1000 GigaLAN port (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-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

Security Function

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

Control

Button	1 x Power,3 x function keys

Power

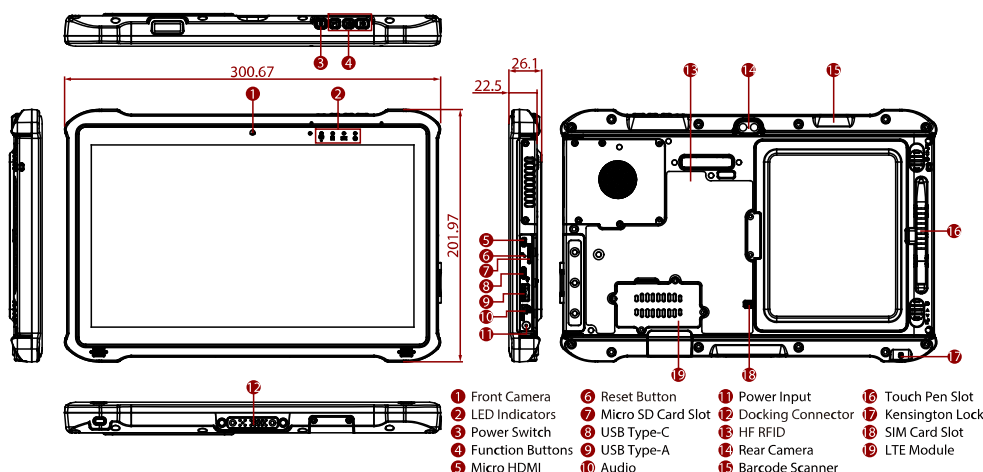|			
Battery	Hot-swappable 11.55V, typ. 4558 mAh Li-Polymer Battery (3S2P) Optional 15.4V, typ. 5900 mAh Li-Polymer Battery (4S1P)	**Battery Operating Time**	Standard. Battery: 8 hours
Power Rating	19V DC	**Adapter**	100-240V, 50-60Hz / 19V DC

Accessory

Accessory	Adapter and Power Cord Capacitive Stylus Standard Battery	**Optional Accessory**	Desk Dock (Optional) Vehicle Dock (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

300.67 · 201.97 · 26.1 · 22.5

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

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.

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2