

M116AN

11.6" Windows Rugged Tablet PC with Intel® Processor N150



KEY FEATURES

- Intel® Twin Lake Processor N150 up to 3.60 GHz
- 11.6" 1920 x 1080 LED panel with direct optical bonding Rugged Tablet
- IP65, MIL-STD-810H shock, vibration and drop resistance
- Sunlight readable with antiglare solution
- Optional Integrated 1D/2D Barcode Reader and HF RFID for data collection
- Optional Smartcard Reader
- Removable battery with hotswap function for all day productivity

INTRODUCTION

Winmate M116AN is a 11.6-inch Windows Rugged Tablet PC with Intel® Processor N150 engineered for defense operations, field command, and mission-critical mobility. It combines Intel® Processor N150, 11.6-inch display with 1920x1200 resolution, and IP65 to support reliable operation in harsh industrial environments. With Intel® Twin Lake Processor N150 up to 3.60 GHz, the M116AN helps OEMs, system integrators, and project teams deploy durable, configurable solutions for demanding field, factory, and mission-critical applications.

SPECIFICATIONS

Display

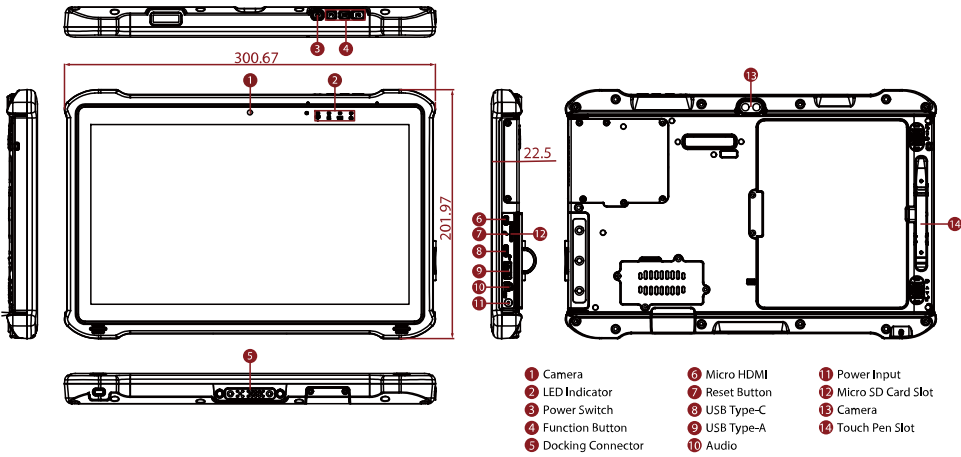
Bonding	Optical Bonding for Sunlight Viewability	Resolution	1920x1080
Size	11.6 inches	Contrast Ratio	1000:1
Panel Brightness	850.0 nits	View Angles	85,85,85,85
Type	Projected Capacitive Multi Touch	Viewability	Anti-Glare touch treatment
Touch Mode	Support Hand/Rain, Stylus, Glove Mode		

System Specification

Processor	Intel® Twin Lake Processor N150 (up to 3.60 GHz)	Memory	4GB (Default) 8GB (Optional) 16GB (Optional)
Storage	128GB SSD Additional storage available with micro SDXC card slot (Default) 256GB SSD (Optional) 512GB 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 13.56 MHz reader (Optional)
Sensors	Light sensor/ G-sensor / Gyro	Smart Card Reader	Smart Card Reader Comply with ISO7816-1.2.3 T=1 and T=0 protocol (Optional)

Camera			
Front Camera	2MP front camera	Rear Camera	8MP rear camera with autofocus and LED light
Mechanical			
Dimension	300.67 x 201.97 x 22.5 mm	Weight	1.4 kg
Cooling System	Fanless 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 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
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 7.7V typ. 5900 mAh Li-Polymer Battery (2S1P) (Default) Optional 7.4V typ. 10280 mAh Li-Polymer Battery (2S2P)	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) Battery Charger (Optional) High Capacity Battery (Optional) Hand Strap (Optional) VESA Mount Kit (Optional) Shoulder Strap (Optional) Carry Bag (Optional)
Barcode Scanner			
Barcode Scanner	1D/2D barcode reader (Optional)		

DIMENSIONS UNIT:MM



NOTE

- 1. Total usable memory will be less dependent upon actual system configuration.
- 2. The USB Type-C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
- 3. Add-on modules require the expansion port option to be usable.
- 4. TPM 2.0 is available upon request.
- 5. SOTI is available upon request.
- 6. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
- 7. Length measurements do not include protrusions. Weight varies with options and active pen.
- 8. 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.
- 9. This is a simplified drawing and some components are not marked in detail.
- * Some images or content on this page are created or enhanced using generative AI technology. All AI-generated content has been reviewed before publication.