M116AN

11.6" Windows Rugged Tablet PC with Intel® Processor N150

CE
FC
IP65 INGRESS PROTECTION
COMPLIANT MIL-STD 810G

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, MILSTD810H 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

The M116AN is an 11.6-inch rugged tablet powered by the latest Intel® N-series Processor, delivering efficient multitasking for enterprise apps. It features a mobile rugged design with IP65 water/dust resistance and 4ft drop certification. With a sunlight-readable 1920x1200 display and wide operating temperatures (-20°C to 60°C), it is the ultimate tool for medical, industrial, and defense professionals.

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 DDR4 8GB DDR4 (Optional)
Storage	128GB SSD Additional storage available with micro SDXC card slot 256GB SSD (Optional) 512GB SSD (Optional)	Security	Trusted Platform Module (TPM) 2.0 Kensington Lock
Operating System	Windows 11 IoT Enterprise LTSC (64 bit)	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		

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)	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

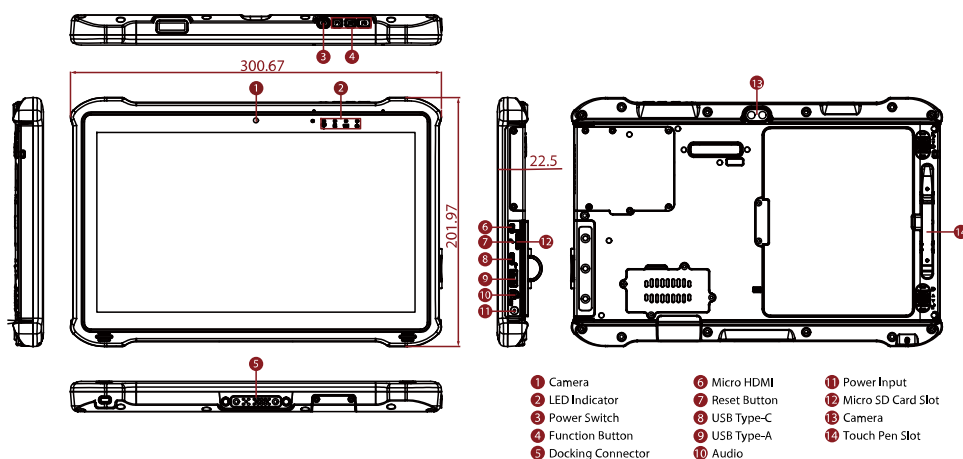|			
Battery	Hot-swappable 7.7V typ. 5900 mAh Li-Polymer Battery (2S1P) Optional 7.4V typ. 10280 mAh Li-Polymer Battery (2S2P)	Battery Operating Time	Standard Battery: 8 hours
Power Rating	19V DC	Adapter	100-240V, 50-60Hz (19V DC)

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

1 Camera
2 LED Indicator
3 Power Switch
4 Function Button
5 Docking Connector
6 Micro HDMI
7 Reset Button
8 USB Type-C
9 USB Type-A
10 Audio
11 Power Input
12 Micro SD Card Slot
13 Camera
14 Touch Pen Slot

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.