MILTAB-116AD

11.6" Windows Rugged Tablet PC with Intel® Core™ i51235U

SEATRONX
Our Vision is Your Vision

CE

FC

COMPLIANT MIL-STD 810H

KEY FEATURES

- 11.6" 1920 x 1080, 850 nits IPS LED Panel with direct optical bonding
- Intel® Core™ i51235U Alder Lake processor
- IP65 waterproof and dustproof, MILSTD810H shock, vibration and drop resistance
- Sunlight readable with antiglare solution
- Hotswappable battery design
- USB TypeC port support power delivery 20V In

INTRODUCTION

The MILTAB-116AD 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 antiglare technology, the MILTAB-116AD Series ensures clear visibility in challenging environments. Built with IP65rated protection, MILSTD810H compliance, and a hotswappable battery design, it delivers reliable operation in harsh conditions. Its lightweight yet rugged design makes it ideal for data collection, logistics, and missioncritical 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	AntiGlare touch treatment
Touch Mode	Support Hand/Rain, Stylus, Glove Mode		

System Specification

Processor	Intel Core i51235U (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/ Gsensor / 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 (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 (TypeC 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 RJ4510/100/1000 GigaLAN port (Optional)
Indicator	4x LED Indicator for Power, Battery, HDD, RF status	Docking Connector	1 x 19pin docking connector

Environment

Operating Humidity	10% to 90% RH, noncondensing	Operating Temperature	20°C to 60°C
Storage Temperature	30°C to 70°C (22°F to 158°F)	Shock	MILSTD810H Method 516.8 Procedure I
Vibration	MILSTD810H Method 514.8 Procedure I	IP rating	IP65
Drop	MILSTD810H Method 516.8, 4 ft	EMC	MILSTD461G CE101, CE102, RE101, RE102, CS118 (Default) MILSTD461G 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

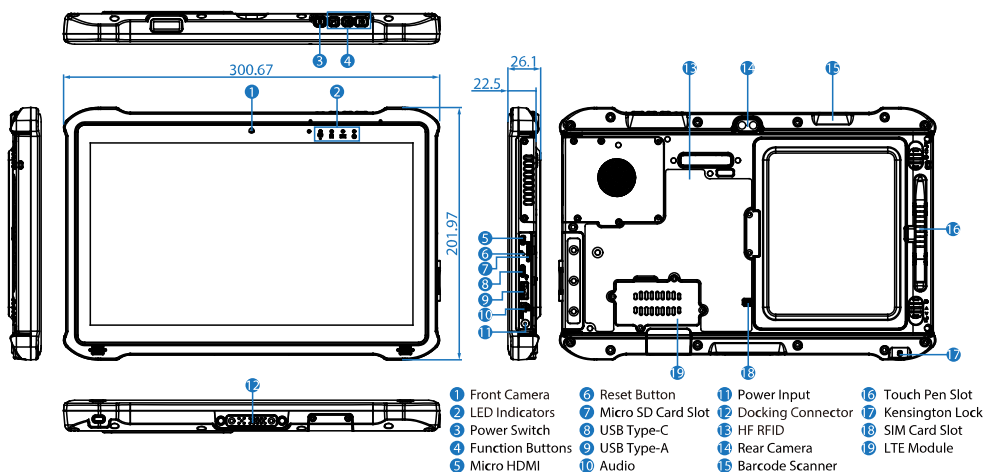|			
Battery	Hotswappable 11.55V, typ. 4558 mAh LiPolymer Battery (3S2P) Optional 15.4V, typ. 5900 mAh LiPolymer Battery (4S1P)	Battery Operating Time	Standard. Battery: 8 hours
Power Rating	19V DC	Adapter	100240V, 5060Hz / 19V DC

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
22.5
26.1

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

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 Seatronx Sales Team for more information.

SEATRONX
Our Vision is Your Vision