M101EK

10.1" Windows Rugged Tablet PC with Intel® Celeron® N6211

KEY FEATURES

- Intel® Elkhart Lake Celeron® N6211 Processor
- 10.1” 1920 x 1200 IPS LED Panel with direct optical bonding
- IP65 water and dust proof with MIL-STD-810H rugged housing
- Low power consumption with fanless design
- Removable battery with hot-swap function for all day productivity
- Sunlight readable with antiglare solution
- USB Type-C port supports power delivery 20V In
- Integrated 4G/5G Wireless WWAN (Optional)

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 Celeron N6211 @1.20 GHz (up to 3.00 GHz) (Default) Intel Pentium N6415 @1.20 GHz (up to 3.00 GHz) (Optional)	**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 (Optional) 5G (Optional)
GNSS	GPS, GLONASS, Galileo, BeiDou	**RFID**	HF RFID 13.56 MHz reader (Optional) add-on UHF RFID Reader (Optional)
Sensors	Light sensor/ G-sensor / Gyro	**Smart Card Reader**	Add-on Smart Card Reader (Optional)

Camera

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

Mechanical

Dimension	271.9 x 197.3 x 19.5 mm	**Weight**	1.2 kg (2.65 lbs) with standard battery, 1.4 kg (3.1 lbs) with optional high capacity battery
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 SD Card slot (Support SDXC)
SIM Card Slot	1 x SIM card slot	**Video**	1 x Micro HDMI Output (Optional)
Audio	1 x Audio combo 3.5mm audio combo jack (Mic in or Line Out) Dual Digital Mic With Noise Cancellation Dual Speaker	**Expansion Port**	1 x Expansion connector (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-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	**IP rating**	IP65
Drop	MIL-STD-810G Method 516.6 Procedure IV, 4 ft		

Certification

Certification	CE, FCC, UL, PTCRB, Verizon

Control

Button	1 x Power, 1 x Home, 2 x Volume, 2 x Programmable Function Keys

Security Function

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

Accessory

Accessory	Adapter and Power Cord Capacitive Stylus Standard Battery	**Optional Accessory**	Desk Dock (Optional) Vehicle Dock (without VGA output) (Optional) Vehicle Cradle (Optional) Battery Charger (Optional) Smart Card Reader (Optional) High Capacity Battery (Optional) Hand Strap (Optional) VESA Mount Kit (Optional) Shoulder Strap (Optional) Carry Bag (Optional) Vehicle Charger (Optional)

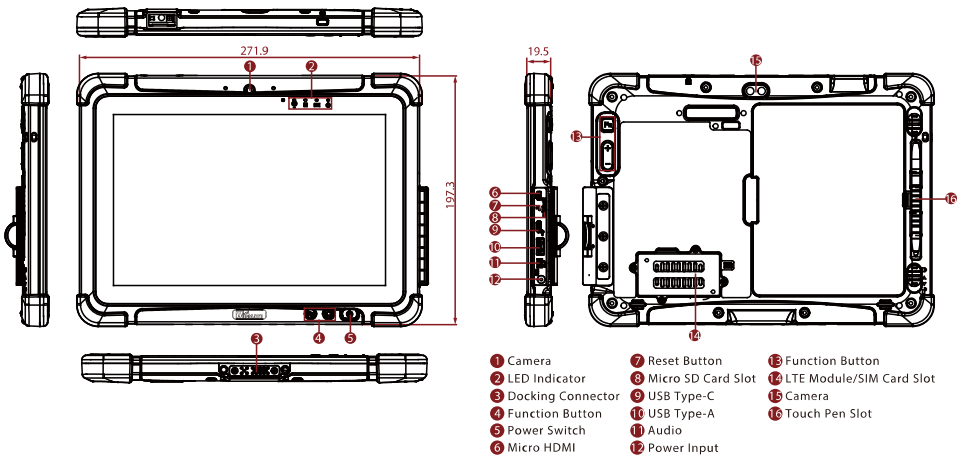
Barcode Scanner

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

Power

Battery	Hot-swappable 7.7V, typ. 5900 mAh Li-Polymer Battery (2S1P) (Default) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)	**Battery Operating Time**	Standard. Battery: 9 hours High Capacity Battery: 16 hours
Power Rating	19V DC	**Adapter**	100-240V, 50-60Hz / 19V DC

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).
3. Add-on modules require the expansion port option to be usable.
4. TPM 2.0 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 and weight measurements do not include protrusions.
8. The drop test with a high-capacity battery must come with a hand strap.
9. Accessories and Integrated Options may vary depending on your configuration.
10. This is a simplified drawing and some components are not marked in detail.
11. 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.