

M101EKB

8inch Windows Rugged Tablet PC with Intel® Celeron® N6211



KEY FEATURES

- Intel® Elkhart Lake Celeron® N6211 Processor
- 8" 1280x800 wide viewing angle with PCAP touch
- ISO/IEC 99953 QWERTY Keypad
- USB Type-C port supports power delivery 20V In
- IP65 water and dust proof with MIL-STD-810H rugged housing
- Low power consumption with fanless design
- Removable battery with hotswap function for all day productivity
- Integrated 4G/5G Wireless WWAN (Optional)



OVERVIEW



Stable Performance with Intel's CPU

The M101EKB uses Intel's Celeron N6211 processor with a fanless cooling system to provide stable performance and low power consumption. The M101EKB supports the latest Windows operating system to fulfill increasing industrial application requirements and provides an alternative solution for those between general consumer and extremely rugged applications.



Multi-touch Projected Capacitive Touch

Designed for versatile use in applications such as warehouse logistics, direct store delivery, and law enforcement vehicles, the M101EKB is perfect for those that require vehicle-mount computer capabilities with the portability of a tablet. The minimum 10-point Multi-touch Projected Capacitive Touch technology allows users to switch windows, take snapshots, zoom in, and rotate easily to take full advantage of the tablet's interface.



8" Touch Screen and QWERTY Keypad

Along with the 8" projected capacitive (PCAP) multi-touch screen, the M101EKB Rugged Tablet features a waterproof ISO/IEC 9995-3 QWERTY keypad with LED backlight and 10 programmable function keys for easy data input in the field when touch is not convenient to use. The keypad adds a lot of practicality, particularly to those who have to type a lot. Add extra convenience for workers wearing thick gloves.



Real-Time Data and Wireless Connectivity

Real-time data access to the right information is crucial for mobile workers. The M101EKB offers GPS, Wi-Fi 802.11 a/b/g/n/ac, BT 4.0, and optional LTE to enable robust communications anytime and anywhere. With a built-in 5.0 MP camera on the rear side, users can instantly capture photos, videos, and documents.



Rugged Durable Design

The M101EKB is designed to be tough and rugged, withstanding shock, vibration, and drop up to 4 ft. to concrete according to Defence standard MIL-STD-810H for operations in some of the harshest environments. With all-around rubber edges and covered I/O ports, the M101EKB rugged tablet features a dust-tight and waterproof enclosure that makes the M101EKB ideal for use in wet and dusty conditions.

SPECIFICATIONS

Display			
Bonding	Optical Bonding for Sunlight Viewability	Resolution	1280x800
Size	8.0 inches	Contrast Ratio	1500:1

Panel Brightness	800.0 nits	View Angles	80,80,80,80
Type	Projected Capacitive Multi Touch	Viewability	Anti-Glare touch treatment
Touch Mode	Support Hand / Gloves and Rain Mode		

System Specification

Processor	Intel Celeron N6211 @1.20 GHz (up to 3.00 GHz) Intel Pentium N6415 @1.20 GHz (up to 3.00 GHz) (Optional)	Memory	4GB LPDDR4 8GB LPDDR4 (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 10 IoT Enterprise LTSC (64 bit) Windows 11 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)

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		

Certification

Certification	CE, FCC		
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Mechanical

Dimension	271.8 x 198.2 x 22 mm	Weight	1.35 kg (3 lbs)
Cooling System	Fanless Design		

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)
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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

Power

Battery	Hot-swappable 7.7V, typ. 5900 mAh Li-Polymer Battery (2S1P) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)	Battery Operating Time	Standard. Battery: 8 hours High Capacity Battery: 13 hours
Power Rating	19V DC	Adapter	100-240V, 50-60Hz / 19V DC

Camera

Rear Camera	8MP Rear Camera with auto-focus and LED light		
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Barcode Scanner

Barcode Scanner	1D/2D Barcode Reader (Optional)		
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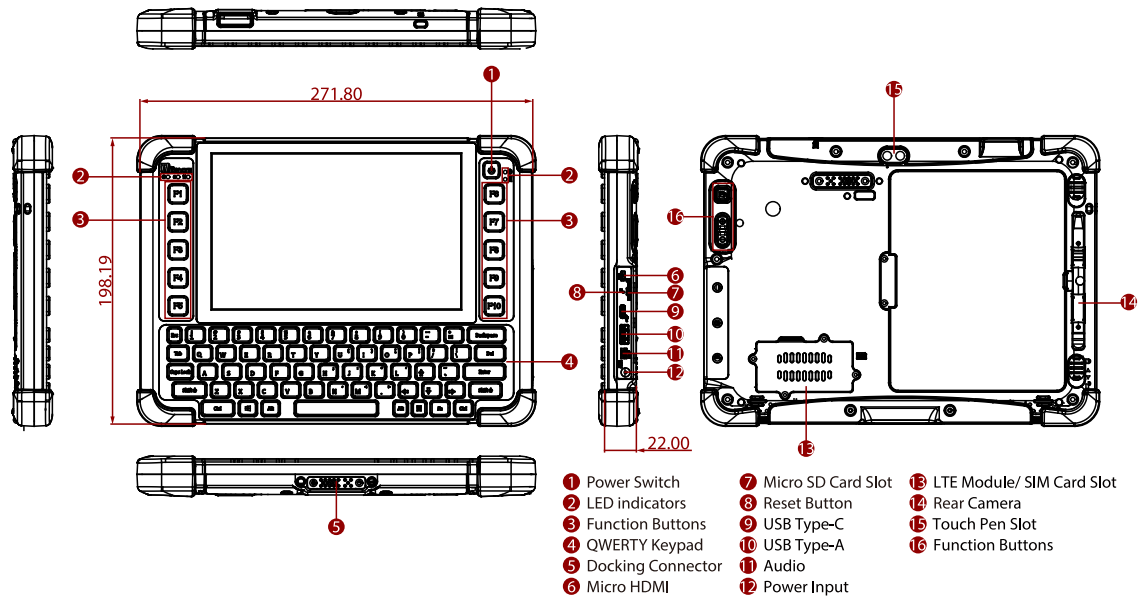
Control

Button	Physical Buttons: ISO/IEC 9995-3 QWERTY Keypad , IP65 water and dust proof, with LED backlight (keypad dimensions : min. 10x10mm) 1 x Power, 10 x Function Keys (programmable by Hottab)		
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Security Function

SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock
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DIMENSIONS UNIT:MM



NOTE

1. Total usable memory will be less dependent upon actual system configuration.
2. 1D/2D Barcode Reader and HF RFID Reader are mutually exclusive options.
3. Length measurements do not include protrusions. Weight varies with options.
4. The drop test with a high-capacity battery must come with a hand strap.
5. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
6. Accessories may vary depending on your configuration.
7. This is a simplified drawing and some components are not marked in detail.
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.