

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)

INTRODUCTION

Winmate Vehicle Mount Computer Tablet Series combines rugged durability with advanced functionality for industrial and field applications. Available in 8" and 10.1" screen sizes, PCAP touch screen and a waterproof QWERTY keypad with LED backlight, it ensures seamless data input, even when gloves are worn. Built to withstand tough conditions, it offers IP65-rated protection, MIL-STD-810H compliance, and hot-swappable batteries for all-day productivity. Its fanless design and optional 4G/5G connectivity make it ideal for logistics, transportation, and warehousing environments.

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		

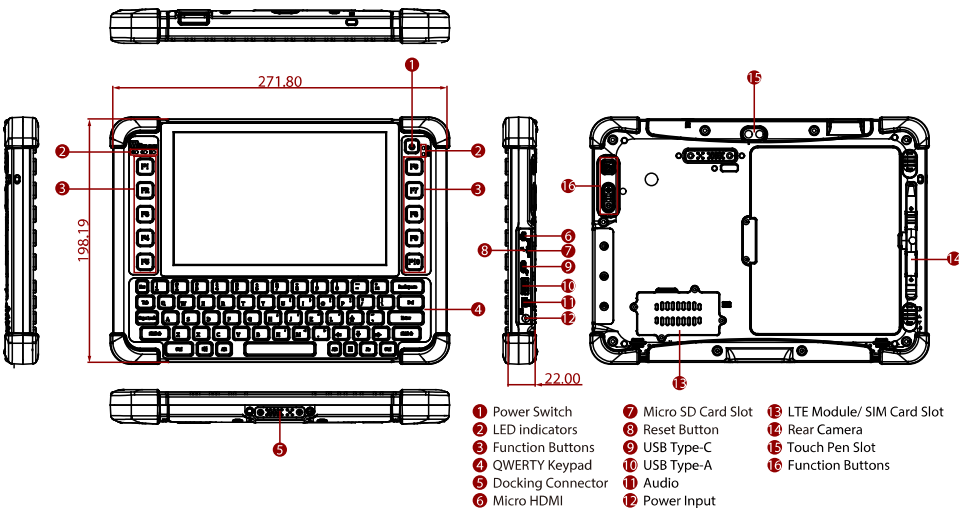
System Specification

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
Certification	CE, FCC		
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)
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		
Barcode Scanner			
Barcode Scanner	1D/2D Barcode Reader (Optional)		
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)		
Security Function			
SOTI MobiControl	SOTI MobiControl Compliance	Kensington Lock	Kensington Lock

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.