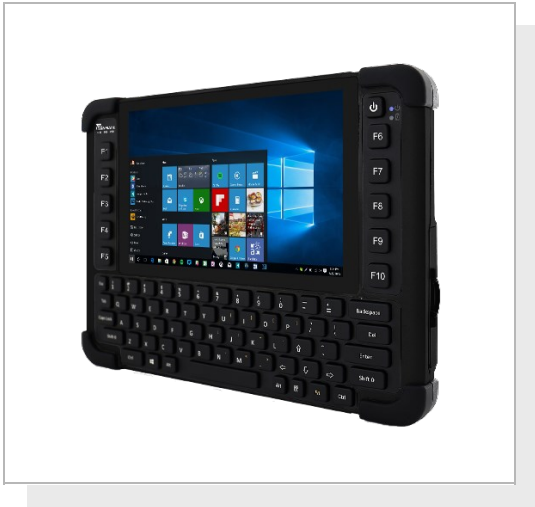


# M101BK

## 8" Intel® Quad Core™ N2930 Rugged Tablet PC



### KEY FEATURES

- 5MP Auto-focus camera
- 8" 1280x800 wide viewing angle with PCAP touch
- Hot-swappable battery design with optional high capacity battery pack
- IP65 waterproof and dustproof
- ISO/IEC 9995-3 QWERTY Keypad
- Long battery life with Intel® Quad Core™ N2930 Bay Trail-M Processor
- MIL-STD-810G compliant
- Optional add-on UHF RFID, Smart Card Reader
- Optional built-in 1D/2D Barcode, HF RFID Reader
- Optional extendable UHF RFID Reader



### SPECIFICATIONS

Display			
<b>Resolution</b>	1280x800	<b>Size</b>	8.0 inches
<b>Contrast Ratio</b>	800:1	<b>Panel Brightness</b>	500 nits
<b>View Angles</b>	88,88,88,88	<b>Type</b>	Projected Capacitive Multi Touch Screen
System Specification			
<b>Processor</b>	Intel® Celeron® N2930 (2M Cache, up to 2.16 GHz)	<b>Memory</b>	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB(Optional) Wide Temperature(Optional)
<b>Storage</b>	1 x mSATA SSD 64GB mSATA SSD up to 512GB(Optional) 1 x SATA II for 2.5" HDD(Optional)	<b>Expansion</b>	1 x mPCIe slot(for half size Wifi module) 1 x mPCIe slot(for SSD)
<b>Ethernet controller</b>	4 x Intel® Ethernet Controller I210-IT	<b>Security</b>	TPM 2.0
<b>Operating System</b>	Windows 7 Embedded Systems(Optional) Windows 10 IoT Enterprise(Optional) Linux Ubuntu 18.04(Optional)		
Environment			
<b>Operating Humidity</b>	10% to 90% RH, Non-Condensing, MIL-STD 810G Method 507.5 Procedures I	<b>Operating Temperature</b>	AC Mode: -20°C to 60°C (-4°F to 140°F), Battery Mode: -10°C to 50°C (32°F to 122°F), MIL-STD 810G Method 501.5 Procedures II, Method 502.5 Procedures II
<b>Storage Temperature</b>	-30°C to 70°C (-22°F to 158°F), MIL-STD 810G Method 501.5 Procedures I, Method 502.5 Procedures I	<b>Shock</b>	MIL-STD-810G Method 516.6 Procedure I
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I	<b>IP rating</b>	IP65
Certification			
<b>Certification</b>	CE, FCC		
Mechanical			
<b>Dimension</b>	271.8 x 198.2 x 22 mm	<b>Weight</b>	1.35 kg (3 lbs)
<b>Enclosure</b>	Plastic	<b>Cooling System</b>	Fanless Design
Accessory			

<b>Accessory</b>	Adapter and Power Cord Capacitive Stylus Standard Battery	<b>Optional Accessory</b>	Desk Dock(Optional) Vehicle Dock(Optional) Battery Charger(Optional) High Capacity Battery(Optional) Hand Strap(Optional) UHF RFID Reader(Optional) VESA Mount Kit(Optional) Smart Card Reader(Optional) Shoulder Strap(Optional) LAN Cable(Optional) Micro HDMI Cable(Optional) RS232 Cable(Optional) Vehicle Charger (Optional)
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**IO Ports**

<b>USB Port</b>	1 x USB 3.0	<b>SD Card Slot</b>	1 x Micro SD Slot
<b>Video</b>	1 x Micro HDMI(Optional)	<b>Audio</b>	2 x Stereo Speaker 1 x 3.5mm Audio Combo Conn. (Mic in or Line Out)
<b>Expansion Port</b>	1 x Expansion Connector for USB 2.0 / Full RS232 (Optional)	<b>LAN</b>	1 x 30-pin Combo Conn for Giga-LAN or RS232
<b>Indicator</b>	Power, Battery, HDD, RF		

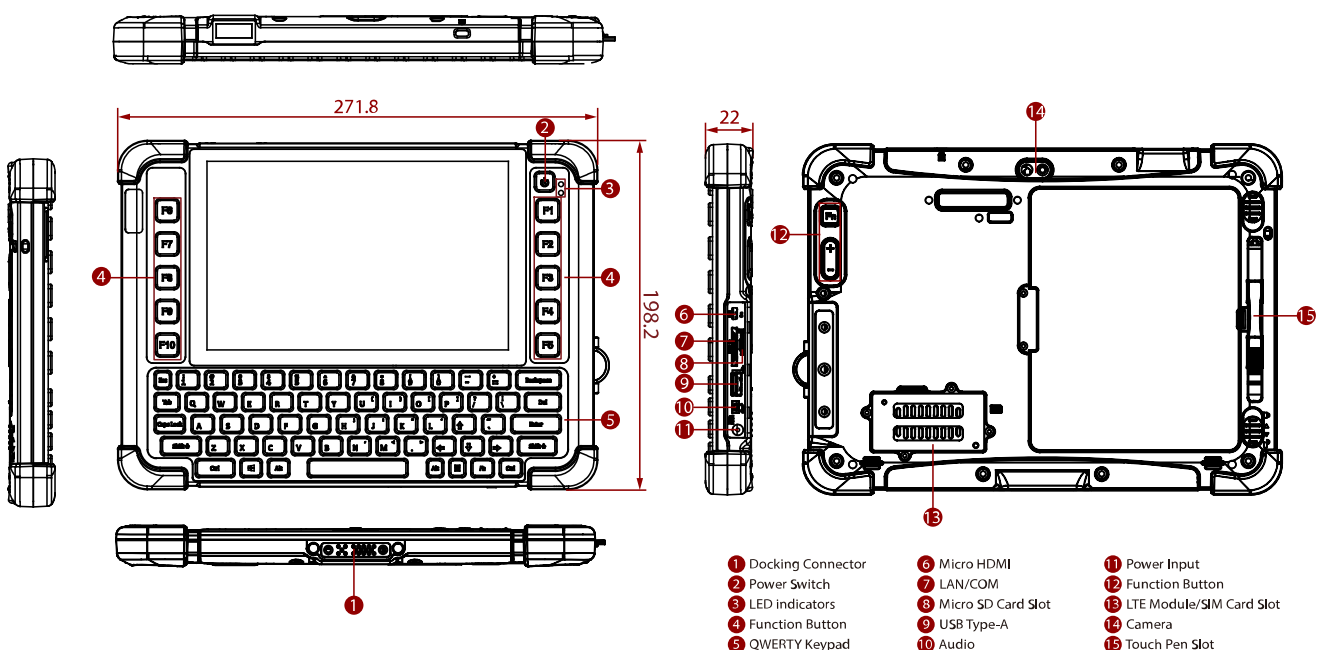
<b>Power</b>			
<b>Battery</b>	7.4V, typ. 5140 mAh Li-Polymer Battery (2S1P) ; 7.4V, typ. 10280 mAh Li-Polymer Battery(Optional)	<b>Battery Operating Time</b>	Operating Time Std. Battery: 6 hours ; High Capacity Battery: 12 hours (tested with MobileMark 2007)
<b>Power Rating</b>	19V DC	<b>Adapter</b>	100-240V, 50-60Hz / 19V DC

<b>Camera</b>			
<b>Rear Camera</b>	5MP auto-focus camera with LED flash		

<b>Barcode Scanner</b>			
<b>Barcode Scanner</b>	1D/2D Barcode Reader(Optional)		

<b>Control</b>			
<b>Button</b>	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)		

**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.