

# **M101BT**

## 10.1" Rugged Tablet PC



#### **KEY FEATURES**

- 10.1" 1280 x 800 IPS LED Panel with direct optical bonding
- Built-in Smart Card Reader
- Intel® Quad Core™ N2930 Bay Trail-M Processor
- IP65 waterproof and dustproof
- Optional 1D/2D Barcode Reader for data collection
- Optional extendable UHF RFID Reader
- Rated for extreme temperature use



#### **SPECIFICATIONS**

Display					
Resolution	1280x800	Size	10.1 inches		
Contrast Ratio	800:1	Panel Brightness	350 nits		
View Angles	85,85,85,85	Туре	Projected Capacitive Multi Touch		
Touch Mode	Support Hand / Gloves and Rain Mode	Bonding	Optical Bonding for Sunlight Viewability		
System Specification					
Processor	Intel Quad Core N2930 Bay Trail-M Processor 1.83 GHz	Memory	4GB DDR3L SDRAM(up to 8GB)		
Storage	64GB mSATA solid state drive SSD Optional 256GB, up to 128GB additional storage with optional microSDXC card slot	Security	Password security for user and hard disk lock Trusted Platform Module (TPM) 1.2 Computrace theft protection agent		
Operating System	Windows 10 IoT Enterprise Windows Embedded 8.1 Industry Pro Windows 7 Pro for Embedded System	WLAN	802.11 a/b/g/n		
ВТ	Support	WWAN	4G LTE (Optional)		
GNSS	GPS	RFID	Optional HF RFID 13.56 MHz reader Optional UHF RFID • EPCglobal Gen2 (ISO 18000-6C) protocol (IP-X and ISO 18000-6B optional) • Read Range: 3+ meters for 2x8 cm UHF tags in unobstructed space		
Sensors	Light sensor/ g-sensor / Gyro / E-compass	Smart Card Reader	Optional		
Camera					
Front Camera	2MP Front Camera	Rear Camera	5MP Rear Camera with auto-focus and LED light		
Mechanical					
Dimension	271.8 x 197.2 x 19 mm (10.7 x 7.76 x 0.75 inches)	Weight	1.2 kg (2.7 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 USB3.0	SD Card Slot	1 x Micro SD Slot		
SIM Card Slot	1 x SIM card slot	Video	1 x Micro HDMI(Optional)		
Audio	1 x Audio combo 3.5mm audio combo jack (Mic in or Line Out) Single Mic Built-in Microphone Dual Speaker	Expansion Port	1 x Expansion Connector for USB2.0 / Full RS232 (Optional)		

Revised date: 16-Nov-2020 V1.0

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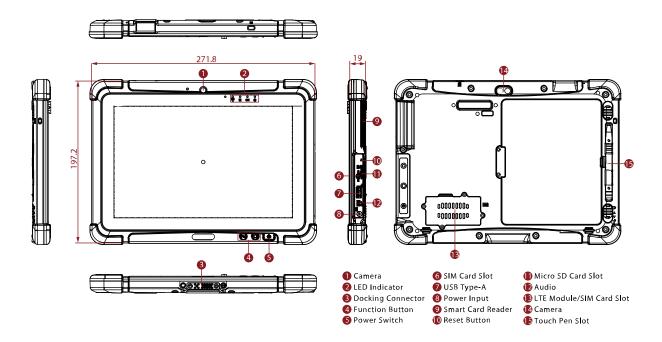
LAN 1 x 30-pin Combo connector (Gigabit-LAN/RS232) Indicator 4x LED Indicator for Power, Battery, HDD, RF slatus  Docking Connector 1 x 1 19-pin docking connector				
Environment   Coperating Humidity   10% to 90% R.H., non-condensing   Coperating Humidity   10% to 90% R.H., non-condensing   Coperating   Coperat	LAN	1 x 30-pin Combo connector (Gigabit-LAN/RS232)	Indicator	
Operating Humidity   10% to 90% RH, non-condensing   Operating Temperature   Capacity   Temperature   Capacity   Capaci	<b>Docking Connector</b>	1 x 19-pin docking connector		
Temperature	Environment			
Temperature  Vibration MIL-STD-810G Method 514.6 Procedure I IP rating IP65 certified, dustproof and waterproof IP Prating IP65 certified, dustproof and waterproof IP IP Prating IP65 certified, dustproof and waterproof IP IP Prating IP65 certified, dustproof and waterproof IP	Operating Humidity	10% to 90% RH, non-condensing		
Drop MIL-STD-810G Method 516.6, 4 ft  Certification  Certification  Certification  Certification  Certification  Certification  Security Function  SoTI MobiControl  Compliance  Control  Button  1 x Power, 1 x Home, 2 x volume key, 2 x Programmable Function Keys  Power  Battery  7.4V, typ. 5140 mAh Li-Polymer Battery (2S1P) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)  Power Rating  12-19V DC  Adapter and Power Cord Capacitive Stylus Standard Battery  Adapter Adapter Adapter Adapter Adapter Adapter Stylus Standard Battery  Accessory  Accessory  Accessory  Accessory  Battery  Optional Accessory  Power Rating  Li-Polymer Battery  Optional Accessory  Adapter Ada		-30°C to 70°C (-22°F to 158°F)	Shock	MIL-STD-810G Method 516.6 Procedure I
Certification CE, FCC, UL, PTCRB, Verizon  Security Function  SOTI MobiControl Compliance Kensington Lock Support  Control  Button 1 x Power, 1 x Home, 2 x volume key, 2 x Programmable Function Keys  Power  Battery 7.4V, typ. 5140 mAh Li-Polymer Battery (2S1P) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)  Power Rating 12-19V DC Adapter 100-240V, 50-60Hz / 19V DC  Accessory  Accessory Adapter and Power Cord Capacitive Stylus Standard Battery  Accessory Alagher and Power Cord Capacitive Stylus Standard Battery  Battery Operating 100-240V, 50-60Hz / 19V DC  Accessory Vehicle Dock (without VGA output) Vehicle Charger High Capacity Battery Battery Battery Smart Card Reader Vehicle Charger High Capacity Battery Battery Smart Card Reader VESA Mount Kit Hand Strap Smoulder Strap Carry Bag  Barcode Scanner	Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP65 certified, dustproof and waterproof
Certification CE, FCC,UL,PTCRB,Verizon  Security Function  SOTI MobiControl Compliance Kensington Lock Support  Control  Button 1x Power, 1x Home, 2x volume key, 2x Programmable Function Keys  Power  Battery 7,4V, typ. 5140 mAh Li-Polymer Battery (2S1P) 7,4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)  Power Rating 12-19V DC Accessory  Accessory Adapter and Power Cord Capacitive Stylus Standard Battery  Accessory Adapter and Power Cord Capacitive Stylus Standard Battery  Accessory Battery Desk Dock Vehicle Dock (without VGA output) Vehicle Cradle Vehicle Charger High Capacity Battery Battery Cerd UHF RFID Reader VESA Mount Kit Hand Strap Shoulder Strap Carry Bag  Barcode Scanner	Drop	MIL-STD-810G Method 516.6, 4 ft		
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SOTI MobiControl  Control  Button 1 x Power, 1 x Home, 2 x volume key, 2 x Programmable Function Keys  Power  Battery 7.4V, typ. 5140 mAh Li-Polymer Battery (2S1P) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)  Power Rating 12-19V DC Adapter and Power Cord Capacitive Stylus Standard Battery  Accessory Adapter and Power Cord Capacitive Stylus Standard Battery  Battery Battery Operating Time 100-240V, 50-60Hz / 19V DC  Accessory Desk Dock (without VGA output) Vehicle Cradle Vehicle Charger High Capacity Battery Charger Smart Card Reader UHF RFID Reader VESA Mount Kit Hand Strap Shoulder Strap Carry Bag  Barcode Scanner	Certification	CE, FCC,UL,PTCRB,Verizon		
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21/32/03/2017/10/2017	Accessory	Capacitive Stylus	Optional Accessory	Vehicle Dock (without VGA output) Vehicle Cradle Vehicle Charger High Capacity Battery Battery Charger Smart Card Reader UHF RFID Reader VESA Mount Kit Hand Strap Shoulder Strap
Barcode Scanner Optional 1D/2D barcode reader	Barcode Scanner			
	Barcode Scanner	Optional 1D/2D barcode reader		

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#### **DIMENSIONS** UNIT:MM



#### **NOTE**

- 1. Total usable memory will be less dependent upon actual system configuration.
- 2. TPM 1.2 available upon request.
- 3. Computrace theft protection and SOTI are available upon request
- 4. Length measurements do not include protrusions. Weight varies with options and a digitizer pen.
- 5. The drop test with a high-capacity battery must come with a hand strap.
- 6. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
- 7. Accessories and integrated options may vary depending on your configuration.
- 8. This is a simplified drawing and some components are not marked in detail.
- 9. 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.

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