M101BT

10.1" Intel® Celeron® N2930 Rugged Tablet PC

IP SYSTEMES

KEY FEATURES

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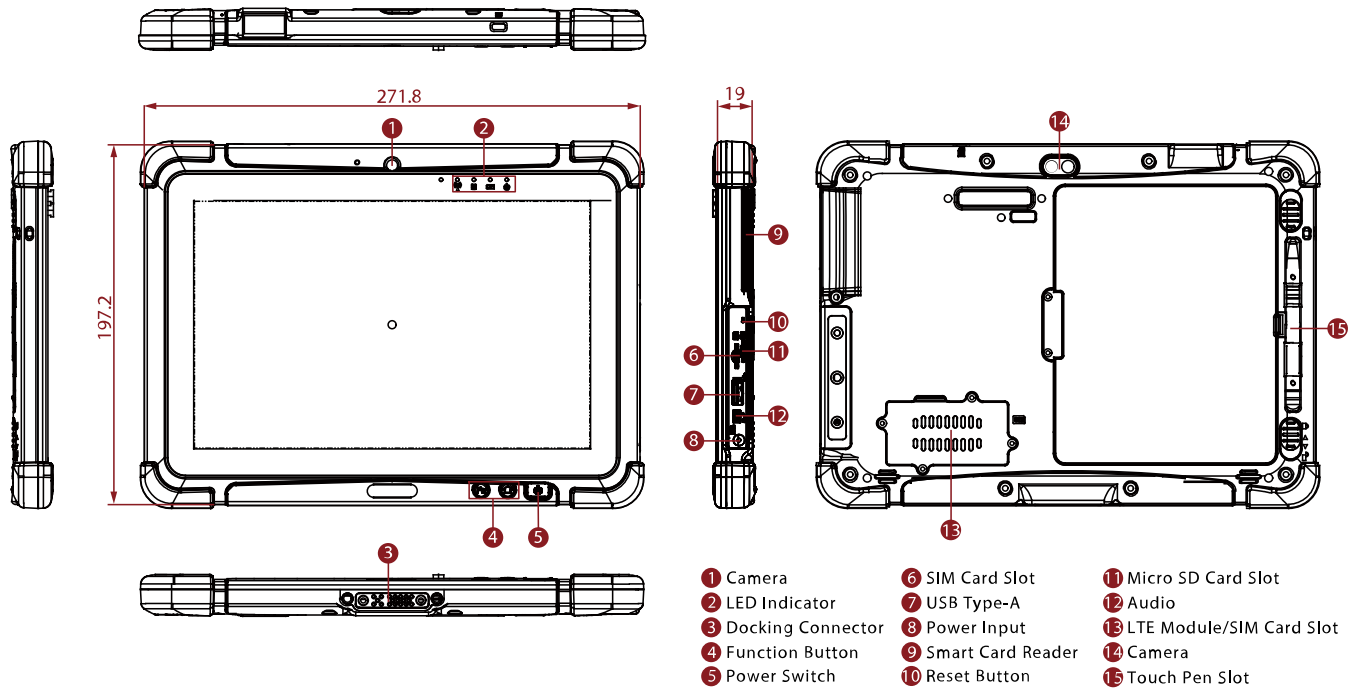- Rated for extreme temperature use
- Built-in Smart Card Reader

CE FC IP65 INGRESS PROTECTION COMPLIANT MIL-STD 810G

SPECIFICATIONS

Display

Resolution	1280x800	**Size**	10.1 inches
Contrast Ratio	800:1	**Panel Brightness**	350 nits 1000 nits(Optional)
View Angles	85,85,85,85	**Type**	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 8GB DDR3L SDRAM (Optional)
Storage	64GB mSATA SSD Additional storage available with micro SDXC cardslot 128GB mSATA SSD (Optional) 256GB mSATA SSD (Optional)	**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	**Wi-fi**	Support
BT	Support	**WWAN**	4G LTE (Optional)
GNSS	GPS	**RFID**	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**	Built-in Smart Card Reader, Comply with ISO7816-1.2.3 T=1 and T=Ø protocol

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 SDXC 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)
LAN	1 x 30-pin Combo connector (Gigabit-LAN/RS232)	**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 (AC mode), -10°C to 50°C (Battery mode)
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 certified, dustproof and waterproof
Drop	MIL-STD-810G Method 516.6, 4 ft		

Certification

Certification	CE, FCC,UL,PTCRB,Verizon

Security Function

SOTI MobiControl	SOTI MobiControl Compliance	**Kensington Lock**	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)	**Battery Operating Time**	Standard. Battery: 8 hours High Capacity Battery: 16 hours
Power Rating	12-19V DC	**Adapter**	100-240V, 50-60Hz / 19V DC

Accessory

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

Barcode Scanner

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

DIMENSIONS UNIT:MM

271.8

197.2

19

❶ Camera	❻ SIM Card Slot	⓫ Micro SD Card Slot
❷ LED Indicator	❼ USB Type-A	⓬ Audio
❸ Docking Connector	❽ Power Input	⓭ LTE Module/SIM Card Slot
❹ Function Button	❾ Smart Card Reader	⓮ Camera
❺ Power Switch	❿ Reset Button	⓯ Touch Pen Slot

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.