

M101B-UF, 10.1-inch Rugged Tablet PC with UHF RFID

A Rugged Tablet that Can Survive Any Environment and Get Real Work Done

M101B-UF is a rugged tablet PC with robust set of features designed to withstand industrial use while providing high tech solutions that increase productivity, improve safety, and reduce operational costs. The processing power comes from Intel's quad core N2930 Bay Trail-M processor paired with genuine Intel graphics for high performance. The tablet features a brilliant, in-plane switching with direct optical bonding, projective capacitive touch screen, which is outdoor viewable and offers 1920 x 1200 pixel resolution. Equipped with UHF RFID and weighing at just 2.7 pounds (approx. 1200 grams) the M101B-UF delivers lightweight mobility in a rugged tablet.



Highlights

- Intel Quad Core N2930 Bay Trail-M Processor
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Snap-on UHF RFID for data collection
- IP65 waterproof and dustproof
- Rated for extreme temperature use

*Please consult your reseller or Winmate representative before purchasing.

*Accessories and Integrated Options may vary depending on your configuration. Visit Winmate website for more accessories and details.

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Display Specification

| | |
|------------------|---|
| Size | 10.1-inch IPS display with LED Backlight |
| Resolution | 1920 x 1200 WUXGA |
| Panel Brightness | 700 nit |
| Touch | With direct optical bonding for sunlight readable |
| Contrast Ratio | Multi-touch projected capacitive |
| Viewing Angle | 800:1 |
| Technology | 85/85/85/85 |
| | <ul style="list-style-type: none"> • Anti reflective and anti-glare technology (Optional) • Ambient light sensor, e-compass, gyro, acceleration sensors • Automatic screen rotation • Intel HD Graphics (built-in CPU) video controller |

System Specification

| | |
|------------------|---|
| Processor | Intel Quad Core N2930 Bay Trail-M Processor 1.83 GHz, up to 2.16 GHz with turbo boost technology |
| System Memory | 4GB DDR3L SDRAM (up to 8GB) ¹ |
| Storage | 64GB mSATA solid state drive SSD Optional 256GB, up to 64GB additional storage with optional microSDXC card slot |
| Operating System | Windows 10 IoT Enterprise Windows Embedded 8.1 Industry Pro Windows 7 Pro for Embedded System |

Wireless Communication

| | |
|------|---|
| WLAN | 802.11 a/b/g/n |
| BT | BT 4.0 Dual Mode (Classic + Low Energy) Class I |
| GPS | u-Blox Neo-6Q |
| WWAN | Optional 4G LTE |

Interface

| | |
|-------------------|--|
| Docking Connector | 1 x 24-pin docking connector |
| HDMI | 1 x Optional micro HDMI (Optional) |
| Lan/ RS232 | 1 x 30-pin Combo conn (Giga-LAN or RS232) |
| USB | 1 x USB3.0 |
| Power Input | 1 x Power Jack |
| Micro SD | 1 x Micro SD Slot |
| Audio Connector | 1 x Audio Combo connector (Mic in or Line Out) |

Keyboard and Input

| | |
|----------------|--|
| Touch | <ul style="list-style-type: none"> • 10-point multi touch, support Hand / Gloves and Rain Mode |
| Button | <ul style="list-style-type: none"> • On-screen QWERTY keyboard • Button 1 x power, 1 x Home, 2 x volume key, 2 x function key (Programmable function key configured by Hottab Utility) |
| LED Indicators | Power, Battery, HDD, RF |

Audio

| | |
|------------|--|
| Microphone | 1 x built-in Digital Mic with Noise Cancellation |
| Speaker | 2 x 1 watt speaker |

Cameras

| | |
|-------------|--|
| Web Camera | 2MP webcam |
| Rear Camera | 8MP rear camera with autofocus and LED light |

Data Capture

| | |
|-----------------|--|
| UHF RFID Reader | <ul style="list-style-type: none"> • Support 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 |
|-----------------|--|

Security Function

| | |
|---------------------|--|
| Security | <ul style="list-style-type: none"> • Password security for user and hard disk lock • Trusted Platform Module (TPM) V2.0² • Computrace theft protection agent³ |
| Mobile Device Mgmt. | SOTI Mobicontrol compatible ³ |

Mechanical and Environment

| | |
|-----------------------|---|
| Dimension (W x L x H) | 271.8 x 197.2 x 19 mm (10.7 x 7.76 x 0.75 inches) ⁴ |
| Weight | 1.2 kg (2.7 lbs) with standard battery, 1.4 kg (3.1 lbs) with optional high capacity battery |
| 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) |
| Humidity | 10% to 90% RH, non-condensing |
| IP Proof | IP65 certified, Dustproof and waterproof |
| Shock | MIL-STD-810G Method 516.6 Procedure I |
| Vibration | MIL-STD-810G Method 514.6 Procedure I |
| Drop | MIL-STD-810G Method 516.6, 4 ft ⁵ |

Power Management

| | |
|------------------------|---|
| Power Input | 12-19V DC |
| Battery | 7.4V, typ. 5140 mAh Li-Polymer Battery (2S1P) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional) |
| Battery Operating Time | Std. Battery: 8 hours ⁶ High Capacity Battery: 16 hours ⁶ |
| Adapter | 100-240V, 50-60Hz / 19V DC |

Accessories

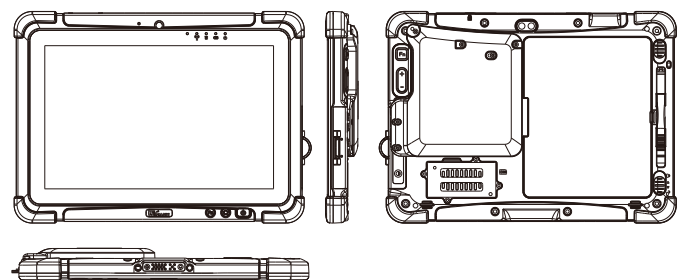
Standard Accessories

| | |
|------------------------|--------------|
| Adapter and Power Cord | 922D065W19V1 |
| Standard Battery | 98K000A0003R |
| Capacitive Stylus | 9B0000000415 |
| Vehicle Cradle | 98DT00A0000C |

Optional Accessories⁷

| | |
|-----------------------------------|--------------|
| Desk Dock | 98DT00A0000E |
| Vehicle Dock (without VGA output) | 98K000A0003L |
| Battery Charger | 98KT00A0000F |
| Smart Card Reader | 98K000A0003U |
| High Capacity Battery | 98K000A0003P |
| Hand Strap | 98K000A0003J |
| UHF RFID Reader | 98K000A0004J |
| VESA Mount Kit | 98KT00A0001H |
| Shoulder Strap | 98K000A0003Q |
| Carry Bag | 9B000000003J |
| LAN Cable | 94G3090300K5 |
| Micro HDMI Cable | 9491191190K1 |
| RS232 Cable | 94G3090300K4 |
| Vehicle Charger | 9226065W19V0 |

Drawing⁸



Caution

Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)

Do not expose bare skin to this product when handling this unit in extreme hot or cold environments

1. Total usable memory will be less depending upon actual system configuration
2. TPM 2.0 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 digitizer pen
5. The drop test with high-capacity battery must come with 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.