M101BK-S, 8-inch Rugged Tablet PC

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

M101BK-S 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 capacited touch screen, which is outdoor viewable and offers a 1280 x 800 resolution. Additionally, the tablet features a QWERTY keypad and function keys for easy data input. Weighing at just 2.97 pounds (approx. 1350 grams) the M101BK-S delivers lightweight mobility in a rugged tablet.









Highlights

- Long battery life with Intel Quad Core N2930 Bay Trail-M Processor
- 8" 1280x800 Wide Viewing Angle with P-Cap Touch
- 5MP Auto-focus camera
- IP65 waterproof and dustproof
- ISO/IEC 9995-3 QWERTY Keypad
- Hot-swappable battery design with optional High capacity battery pack
- Built-in 802.11 a/b/g/n/ac WiFi + Bluetooth 4.0 combo module
- Optional WWAN module
- MIL-STD-810G compliant

Order Information

- 1. 19V 65W Power Adapter x 1
- 2. Power Cord x 1
- 3. Standard Battery x 1
- 4. M101BK Quick Start Guide x 1
- 5. Manual & Driver CD x 1
- 6. Capacitive Stylus x 1



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Display Specification

8-inch display with LED backlight Resolution 1280 x 800

Brightness 500 cd/m² With Optical Bonding Multi-touch projected capacitive, Touch Withstand repetitive typing,

and scratch resistant throughout the life span

Contrast Ratio

System Specification

Intel Celeron Quad-Core N2930 1 83 GHz Processor

System Memory 8GB SODIMM DDR3L-16001 256GB m.2 SATA SSD Storage

Compliant with the 1 Gb/s Ethernet 802.3 specifications Ethernet

Operating System Windows 10 IoT Enterprise

Wireless Communication

WLAN 802.11 a/b/g/n/ac

Bluetooth Bluetooth 4.0 Dual Mode (Classic + Low Energy)

GPS GPS, GLONASS, and Galileo

WWAN Optional LTE support: FDD LTE, TDD LTE,

DC-HSPA+/HSPA+/HSPA/UMTS, TD-SCDMA,

GSM/GPRS/EDGE

Interface

LAN 1 x 30-pin Combo Conn. For Giga-LAN

USB Power Input 1 x Power Jack

1 x 3.5mm Audio Combo Conn. (Mic in or Line Out) Audio Connector

1 x Micro SIM Slot SIM Card Slot

Keyboard and Input

Touch • Multi-Touch Projected Capacitive,

withstands repetitive typing, and scratch resistant

throughout its life span

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)

LED Indicators Power, Battery

Audio

Speaker 2 x Stereo Speaker (80 db output)

Data Capture

Camera 5MP Auto-Focus Camera with LED Flash at rear.

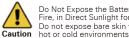
with Barcode decoding support

Security Function

Security · Password security for user and hard disk lock

Trusted Platform Module (TPM) V2.0

· Kensington lock slot



Oo 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

1. Total usable memory will be less depending upon actual system configuration.

2. Length measurements do not include protrusions. Weight varies with options.

3. The drop test with high-capacity battery must come with hand strap.

4. Accessories may vary depending on your configuration.

5. This is a simplified drawing and some components are not marked in detail.

Mechanical and Environment

Dimension (W x L x H) 271.8 x 198.2 x 22 mm ²

1.35 kg (2.97 lbs)

Operating Temperature 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 -30°C to 70°C (-22°F to 158°F)

MIL-STD 810G Method 501.5 Procedures I,

Method 502.5 Procedures I

Humidity 10% to 90% RH, non-condensing, MIL-STD 810G Method 507.5 Procedures I

IP Proof Shock MIL-STD-810G Method 516.6 Procedure I Vibration MIL-STD-810G Method 514.6 Procedure I MIL-STD-810G Method 516.6 Procedure IV, Drop

Power Management

Storage Temperature

Power Input 19V DC

Battery 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P)

Battery Operating Time High Capacity Battery: 12hours (tested with MobileMark 2014) AC Adapter

100-240V, 50-60Hz / 19V DC Compliant with the BS546, BS 546A, SANS 164-1, AC Adapter Certificate

SABS 164-1 and IA16A3 standards

Power Plug Type BS 546 A Type M plug

2 POLE-3 WIRE GROUNDING (2P+E)

Certificates

EMC IEC 61000-4-6 FCC Part 2, 1092 Safety

Accessories

Standard Accessories

Adapter and 922D065W19V1 Power Cord 94BD03B03000 Capacitive Stylus 9B0000000415 98K000A0003P High Capacity Battery

Optional Accessories 4

Battery Charger 98KT00A0000H Active Pen 98K000A0007D 9B00000006S Hand Strap Shoulder Strap 98K000A0003Q LAN Cable 94I0080300K1 Thermal Printer 9AN000000004 9BN00000004 Suitcase 1.2m USB cable 948040002201

Drawing⁵

