M101P, 10.1-inch Rugged Tablet PC

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

M101P 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 Apollo Lake processor paired with genuine Intel graphics for high performance. The tablet features a brilliant, in-plane switching with direct optical bonding, projected capacitive touch screen, which is outdoor viewable and offers 1920 x 1200 pixel resolution. Weighing at just 1200 grams (approx. 2.65 pounds) the M101P delivers lightweight mobility in a rugged tablet.









Highlights

- Intel[®] Apollo Lake Pentium N4200 Processor
- Low power consumption with fanless design
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Sunlight readable with anti-glare solution
- Optional Integrated 1D/2D Barcode Reader and HF RFID Reader for data collection
- Removable battery with hot-swap function for all day productivity
- IP65 water and dust proof with MIL-STD-810G rugged housing





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



^{*}Please consult your reseller or Winmate representative before purchasing.

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Display Specification

10.1-inch IPS display with LED Backlight

Resolution 1920 x 1200 WUXGA

Panel Brightness 800 nit

With direct optical bonding for sunlight readability

Touch Multi-touch projected capacitive

Contrast Ratio 800:1 Viewing Angle 85/85/85/85

Technology · Anti-glare technology · Automatic screen rotation

System Specification

Intel Pentium N4200 Processor 1.10 GHz. Processor

up to 2.50 GHz with turbo boost technology

4 GB LPDDR4 1 (up to 8GB) System Memory Storage 128GB SSD (Options up to 512GB)

Additional storage available with micro SDXC card slot

Graphics Intel® HD Graphics 505

Operating System Windows 10 IoT Enterprise (64 bit) Sensors Light sensor/ g-sensor / Gyro / E-compass

Wireless Communication

WLAN 802.11 a/b/g/n/ac WiFi Bluetooth Bluetooth 5.0 **GNSS** GPS, GLONASS **WWAN** Optional 4G LTE

Interface

Docking Connector 1 x 19-pin docking connector HDMI 1 x micro HDMI (Optional)

1 x USB 3.0 (Type A), 1 x USB 3.0 (Type C) ² USB

Power Input 1 x Power Jack Micro SD 1 x Micro SDXC slot

1 x Audio combo connector (Mic in or Line Out) Audio Expansion Port 1 x Expansion connector for USB 2.0/ Full RS232(Optional)

Micro SIM 1 x Micro SIM card slot

1 x Mini PCle for WWAN Module mini PCle

Input

Physical Buttons 1 x Power, 1 x Home, 2 x Volume, 2 x Programmable Function Kevs

Touch 10-point multi-touch.

supports Rain / Glove / Stylus Modes

Status Indicators

LED Indicators Power, Battery, HDD, RF

Audio

Built-in dual Digital Mic with Noise Cancellation Microphone

Speaker 2 x 1 watt speakers

Cameras

Web Camera 2MP webcam

8MP rear camera with autofocus and LED light Rear Camera

Data Capture

Optional 1D/2D Barcode Reader Integrated

Optional HF RFID Reader

Add-on Module 3 Optional add-on UHF RFID Reader or Smart Card Reader

Security Function

• Trusted Platform Module (TPM) 2.0 4 Security

· Kensington Lock

Mobile Device Mamt. SOTI Mobicontrol compatible 5

Standards and Certification

EMC

Power Management

Power Input 12-19V DC

Hot-swappable 7.7V, typ. 5900 mAh Li-Polymer Battery (2S1P) 7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional)

Battery Operating Time Std. Battery: 9 hours 6

High Capacity Battery: 16 hours 6

100-240V, 50-60Hz / 19V DC Adapter

Mechanical

Dimensions (W x L x H) 271.9 x 198.3 x 19.5 mm (10.7 x 7.76 x 0.77 inches)

1.2 kg (2.65 lbs) with standard battery, Weight

1.4 kg (3.1 lbs) with optional high capacity battery

Environment

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 MIL-STD-810G Method 516.6 Procedure I Shock Vibration MIL-STD-810G Method 514.6 Procedure I MIL-STD-810G Method 516.6, 4 ft 8 Drop

Accessories

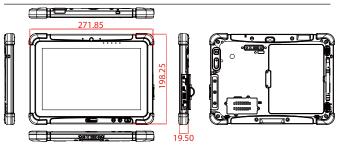
Standard Accessories

Adapter and Power Cord 922D065W19V6 9B0000000415 Capacitive Stylus Standard Battery 98K000A000D6

Optional Accessories 9

Desk Dock 98DT00A0000F Vehicle Dock (without VGA output) 98K000A0003L Vehicle Cradle 98DT00A0000C 98KT00A0000F Battery Charger Smart Card Reader 98K000A0003U 98K000A0003S High Capacity Battery Hand Strap 98K000A0003J UHF RFID Reader 98K000A0004.I VESA Mount Kit 98KT00A0001H Shoulder Strap 98K000A0003Q Carry Bag 9B00000003J Micro HDMI Cable 9491191190K1 Vehicle Charger 9226065W19V0 USB-C to Ethernet Adapter 9AN000000001 USB-C to RS232 Adapter 9AN00000000L USB-C to USB-A Hub 9AN00000000J

Drawing 10





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
- 2. The USB Type-C connector follows USB 3.0 standard, which does not support Alternate Mode (ALT) or USB Power Delivery (USB-PD).
- 3. Add-on modules require the expansion port option to be usable.
- 4. TPM 2.0 available upon request.
- 5. SOTI is available upon request.
- 6. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
- 7. Length measurements do not include protrusions. Weight varies with options and
- 8. The drop test with high-capacity battery must come with hand strap
- 9. Accessories and Integrated Options may vary depending on your configuration.
- 10. This is a simplified drawing and some components are not marked in detail.



Release Date: 08-Jun-2020 V2.9