

# M101PR

## 10.1" Intel® Pentium N4200 Rugged Tablet PC



### KEY FEATURES

- Intel® Pentium® N4200 Apollo Lake Processo
- 10.1" 1920 x 1200 IPS LED Panel with direct optical bonding
- Optional 1D/2D Barcode Reader and HF RFID for data collection
- Hot-swappable battery design with optional high capacity battery pack
- IP65 waterproof and dustproof
- Rated for extreme temperature use
- Optional expansion port for USB / RS232 connection
- 4-wire resistive touch

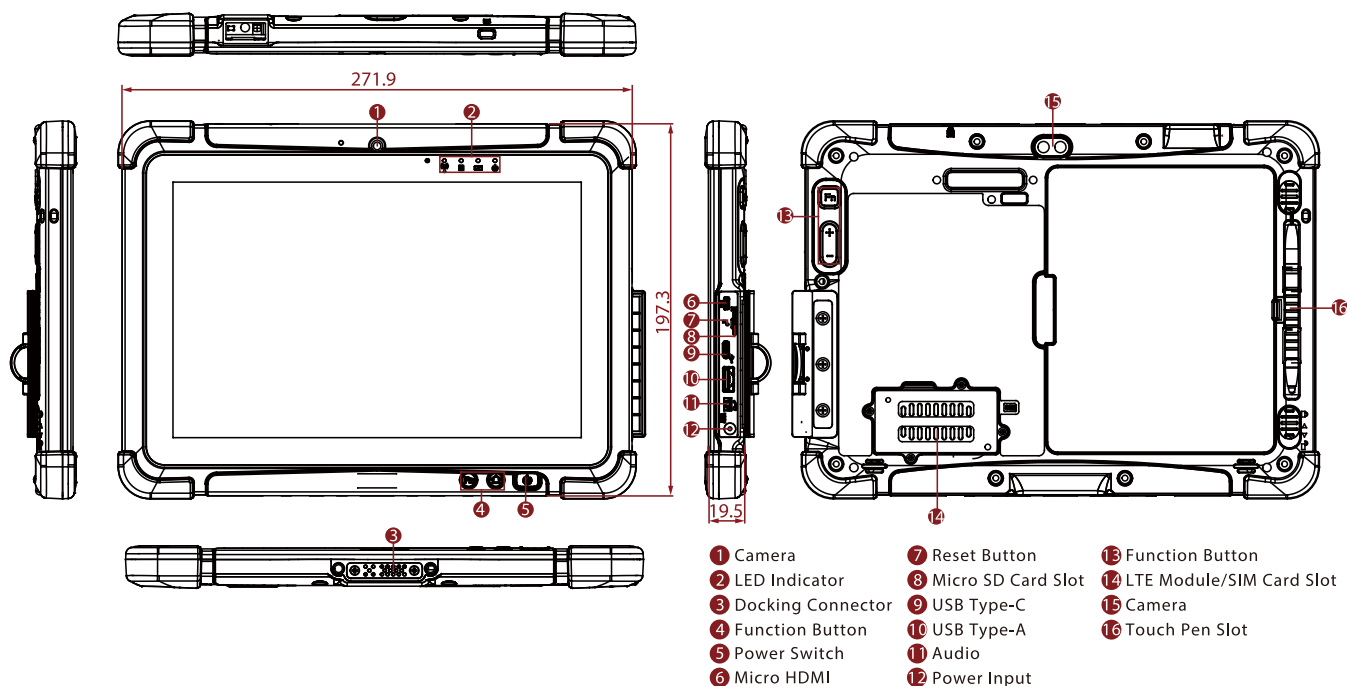


### SPECIFICATIONS

| Display              |                                                                                                                         |                   |                                                                                                  |
|----------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------|
| Resolution           | 1920x1200                                                                                                               | Size              | 10.1 inches                                                                                      |
| Contrast Ratio       | 800:1                                                                                                                   | Panel Brightness  | 800 nits                                                                                         |
| View Angles          | 85,85,85,85                                                                                                             | Bonding           | Optical Bonding for Sunlight Viewability                                                         |
| Type                 | Resistive Touch                                                                                                         |                   |                                                                                                  |
| System Specification |                                                                                                                         |                   |                                                                                                  |
| Processor            | Intel Pentium N4200 Processor 1.10 GHz, up to 2.50 GHz with turbo boost technology                                      | Memory            | 4GB LPDDR4<br>8GB LPDDR4 (Optional)                                                              |
| Storage              | 128GB SSD<br>Additional storage available with micro SDXC card slot<br>256GB SSD (Optional)<br>512GB SSD (Optional)     | Security          | Trusted Platform Module (TPM) 2.0                                                                |
| Operating System     | Windows 10 IoT Enterprise (64 bit)                                                                                      | WLAN              | 802.11 a/b/g/n/ac                                                                                |
| BT                   | BT Support                                                                                                              | WWAN              | 4G LTE (Optional)                                                                                |
| GNSS                 | GPS, GLONASS                                                                                                            | RFID              | HF RFID 13.56 MHz reader (Optional)<br>add-on UHF RFID Reader (Optional)                         |
| Sensors              | Light sensor/ g-sensor / Gyro / E-compass                                                                               | Smart Card Reader | Add-on Smart Card Reader (Optional)                                                              |
| Camera               |                                                                                                                         |                   |                                                                                                  |
| Front Camera         | 2MP Front Camera                                                                                                        | Rear Camera       | 8MP Rear Camera with auto-focus and LED light                                                    |
| Mechanical           |                                                                                                                         |                   |                                                                                                  |
| Dimension            | 271.9 x 197.3 x 19.5 mm                                                                                                 | Weight            | 1.2 kg (2.65 lbs) with standard battery,<br>1.4 kg (3.1 lbs) with optional high capacity battery |
| Cooling System       | Fanless design                                                                                                          |                   |                                                                                                  |
| IO Ports             |                                                                                                                         |                   |                                                                                                  |
| USB Port             | 1 x USB 3.0 (Type A), 1 x USB 3.0 (Type C)                                                                              | 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)<br>Dual Digital Mic With Noise Cancellation<br>Dual Speaker | Expansion Port    | 1 x Expansion connector for USB 2.0/ Full RS232 (Optional)                                       |
| Indicator            | 4x LED Indicator for Power, Battery, HDD, RF                                                                            | 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, 2 x Programmable Function Keys                                                         |                        |                                                                                                                                                                                                                                                                                                                                              |
| Power               |                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                              |
| Battery             | Hot-swappable 7.7V, typ. 5900 mAh Li-Polymer Battery (2S1P)<br>7.4V, typ. 10280 mAh Li-Polymer Battery (2S2P, optional) | Battery Operating Time | Standard. Battery: 9 hours<br>High Capacity Battery: 16 hours                                                                                                                                                                                                                                                                                |
| Power Rating        | 12-19V DC                                                                                                               | Adapter                | 100-240V, 50-60Hz / 19V DC                                                                                                                                                                                                                                                                                                                   |
| Accessory           |                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                              |
| Accessory           | Adapter and Power Cord<br>Capacitive Stylus<br>Standard Battery                                                         | Optional Accessory     | Desk Dock (Optional)<br>Vehicle Dock (without VGA output) (Optional)<br>Vehicle Cradle (Optional)<br>Battery Charger (Optional)<br>Smart Card Reader (Optional)<br>High Capacity Battery (Optional)<br>Hand Strap (Optional)<br>VESA Mount Kit (Optional)<br>Shoulder Strap (Optional)<br>Carry Bag (Optional)<br>Vehicle Charger (Optional) |
| Barcode Scanner     |                                                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                              |
| Barcode Scanner     | 1D/2D barcode reader (Optional)                                                                                         |                        |                                                                                                                                                                                                                                                                                                                                              |

## DIMENSIONS UNIT:MM



## NOTE

1. Total usable memory will be less dependent upon actual system configuration.
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. TPM 2.0 available upon request.
4. SOTI is available upon request.
5. Length measurements do not include protrusions. Weight varies with options and active pen.
6. The drop test with a high-capacity battery must come with a hand strap.
7. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
8. Accessories and integrated options may vary depending on your configuration.
9. This is a simplified drawing and some components are not marked in detail.
10. 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.