

R08IP8M-RTU1GP

8.4" Intel® Pentium® N4200 Industrial Rugged Tablet



CE

FC

KEY FEATURES

- Intel® Pentium® N4200 Apollo Lake processor, industrial rugged tablet
- Alu-Mg alloy housing with protective rubber
- MIL-810G Shock, Vibration and Drop Std.
- Trusted platform module (TPM) V2.0
- Built-in wireless, BT, GPS
- Optional 4G LTE
- Adjustable kickstand handle (Optional)

INTRODUCTION

Winmate Ultra Rugged Tablet Series is purpose-built for demanding industrial and field environments, combining durability and advanced performance. Available in sizes ranging from 8.4" to 10.4", these tablets feature tough Alu-Mg alloy housings with protective rubber, meeting MIL-STD-810G standards for shock, vibration, and drop resistance. With IP-rated water and dust protection, Trusted Platform Module (TPM) V2.0, built-in wireless, GPS, and optional 4G LTE, they deliver seamless connectivity and security. Optional adjustable kickstand handles enhance mobility, making them ideal for field services, transportation, and industrial operations.

SPECIFICATIONS

Display

Resolution	800x600	Size	8.4 inches
Contrast Ratio	600:1	Panel Brightness	600.0 nits
View Angles	75,75,60,70	Touch / Glass	Resistive Touch Screen (Optional) Protection Glass Without Touch Function (Optional)

System Specification

Processor	Intel Pentium N4200 1.1GHz (up to 2.5GHz)	Memory	1 x SO-DIMM, DDR3L 1600 MHz, 4GB 8GB (Optional)
Storage	1 x M.2 2242 SSD 128GB M.2 2242 SSD up to 512GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 10 IoT Enterprise (Optional) Linux Ubuntu 20.04 (Optional)
WLAN	Wi-Fi Support	BT	BT Support
WWAN	4G/ LTE or 3G (Optional)	GNSS	Supports GPS GLONASS, Galileo, BeiDou (Optional)

Mechanical

Dimension	266 x 224 x 50.4 mm	Weight	2.4 kg
Mounting	VESA Mount	Enclosure	Magnesium Alloy
Cooling System	Fanless design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	-10°C to 50°C (14°F to 122°F) (Battery mode)
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Storage Temperature	-20°C to 60°C	Shock	-20°C to 60°C (4°F to 158°F) (AC mode)*
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	MIL-STD-810G Method 516.6 Procedure I
Drop	MIL-STD-810G Method 516.6 Procedure IV		IP54

Certification

Certification	CE, FCC
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IO Ports

USB Port	2 x USB3.2 Gen1x1 (Type-A)	Serial Port	1 x RS232/422/485 (Default RS232)
SD Card Slot	1 x Micro SD card Slot	SIM Card Slot	1 x Micro SIM card Slot
Audio	1 x Audio Combo Connector (Mic in / Line Out) 2 x Speaker	LAN	1 x Giga LAN RJ45 Connector
Indicator	1 x LED Indicator for power 1 x LED Indicator for HDD 1 x LED Indicator for Battery status 1 x LED Indicator for Wifi		

Control

Button	1 x Power button 1 x Menu button 1 x Up button 1 x Down button 3 x Function key button
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Accessory

Accessory	100~240V AC to 19V DC 65W Adapter Power Cord 11.1V / 5200mAh Battery Quick Start Guide Stylus	Optional Accessory	Adjustable Kickstand (Optional) Multi-functional Desktop Docking station (Optional) Vehicle Mounting Charger Kit (Optional) Car Power Charger (Optional) Hand Strap (Optional) Shoulder Strap (Optional) Soft Shell Case (Optional) Carry Bag (Optional)
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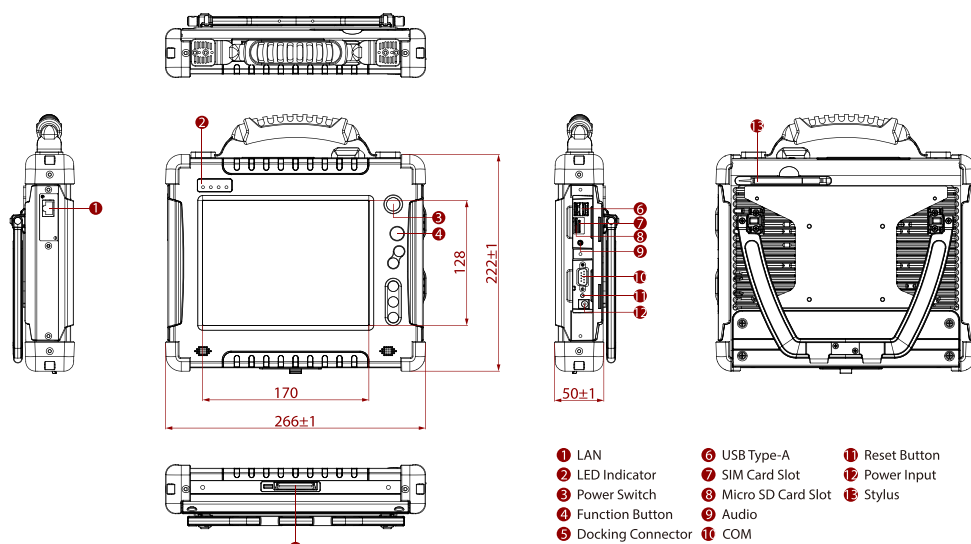
Barcode Scanner

Barcode Scanner	2D Barcode Reader (Optional)
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Camera

Front Camera	2MP Camera (Optional)	Rear Camera	5MP Autofocus Camera (Optional)
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DIMENSIONS UNIT:MM



NOTE

1. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
2. This is a simplified drawing, and some components are not marked in detail.
3. 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.