R10IP8M-RTT2GP

10.4inch Waterproof Tablet with Intel® Pentium® N4200

CE

FC

KEY FEATURES

- Intel® Pentium® N4200 Apollo Lake processor waterproof tablet
- 10.4" 1024 x 768 Resolution Transflective TFT-LCD Panel
- Plastic front cover and Alu-Mg Alloy rear cover with Protective Rubber
- Trusted platform module (TPM) V2.0
- Bulit-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.

OVERVIEW

High Performance with Low Power Consumption

Powered by Intel's processor, the Ultra Rugged Tablet Series offers high performance and low power consumption for some of the most demanding professional-grade applications.

Sunlight Readable Screen with Resistive Touch

With its sunlight-readable screen the Ultra Rugged Tablet Series offers a premium viewing experience both indoors and outdoors. It also offers convenient user controls with four wire anti-scratch resistive touchscreen.

PREMIUM VIEWING EXPERIENCE

Ultra Rugged Design Built to Survive, MIL-STD-461G

The Ultra Rugged Tablet Series is built to survive temperature changes, drops, shock, and vibration. Tailored for industrial-grade applications and packed in ultra-rugged magnesium-aluminum alloy housing passed the MIL-STD-810G and MIL-STD-461G test withstand the rigors of outdoor environments - water, dust, weather changes, and strong vibration.

ALL TERRAIN ULTRA RUGGED TABLET

Real-Time Wireless Connectivity

Real-time data access to the right information is crucial for industrial, commercial, and field operations. With wireless connectivity onboard, the Ultra Rugged Tablet Series offers GPS, WLAN, BT, and optional WWAN connectivity to enable robust communications anytime and anywhere.

COMPLETE CONNECTIVITY

A COMPACT TAKE ANYWHERE TABLET

Ergonomic Design

Despite the ruggedness, the Ultra Rugged Tablet Series is surprisingly handy and easy to use with an easy-to-carry ergonomic handle and an optional fold-up kickstand, so your worker can transport the device more easily or set it up when watching an instruction or checking operation procedures.

SPECIFICATIONS

Display

Resolution	1024x768	Size	10.4 inches
Contrast Ratio	1000:1	Panel Brightness	700.0 nits
View Angles	88,88,88,88	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 & ABS+PC
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) -20°C to 60°C (4°F to 158°F) (AC mode)"
Storage Temperature	-20°C to 60°C	Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I	IP rating	IP54
Drop	MIL-STD-810G Method 516.6 Procedure IV		

Certification

Certification	CE, FCC

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		

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)

WINMATE

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Soft Shell Case (Optional)
Carry Bag (Optional)

Barcode Scanner

Barcode Scanner	2D Barcode Reader (Optional)

Camera

Front Camera	2MP Camera (Optional)	Rear Camera	5MP Autofocus Camera (Optional)

DIMENSIONS   UNIT:MM

221.9

266

50.4

65.8

75

75

M4 VESA
D=4mm MAX

❶ LAN
❷ Function Button
❸ LED Indicator
❹ Power Switch
❺ Docking Connector
❻ USB Type-A
❼ SIM Card Slot
❽ Micro SD Card Slot
❾ Audio
❿ COM
⓫ Reset Button
⓬ Power Input
⓭ Stylus
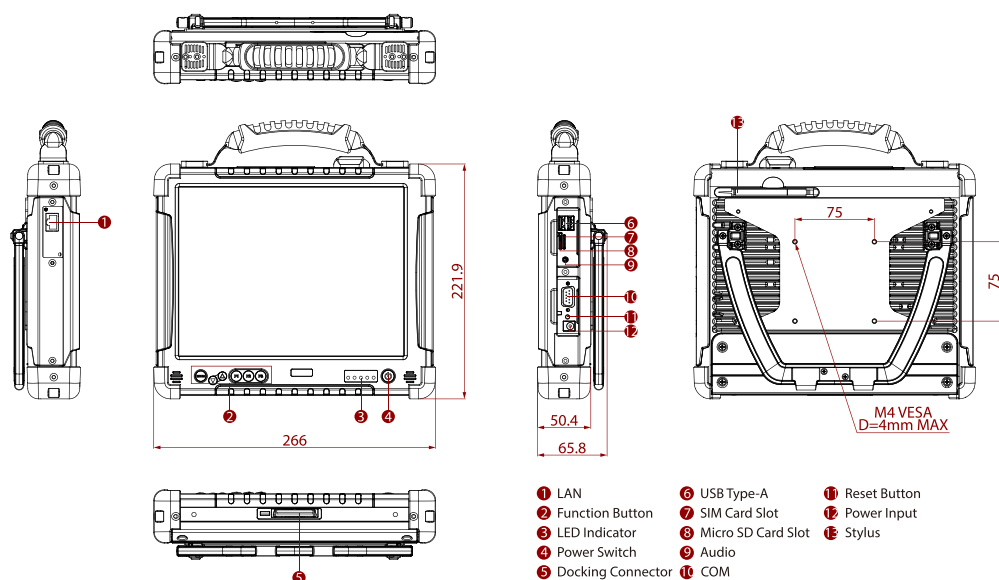
NOTE

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.

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