



## 10.1" Fully Rugged Tablet CT-RU101PB

**Low-power System with Intel® Bay Trail-M N2930 Processor**

**Full IP65 Water and Dust Proof**

**Wide Expansion Design for Data Capture**

**MIL-STD-810G Drop, Shock and Vibration Resistance**

**Capacitive Multi-Touch Supports Gloved Touch, Water Rejection and Palm Rejection**

**Optical Bonding for Sunlight Readability**

**GPS, Wi-Fi, Bluetooth, and Optional 4G LTE**

**Long Life, Revision Controlled**

CT-RU101PB 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 Tail-M processor paired with genuine Intel graphics for high performance. This tablet features a brilliant, in-plane switching with direct optical bonding, projective capacitive touch screen, which is outdoor viewable and offers 1920 x 1200 pixel resolution. Weighing at just 2.75 pounds, the CT-RU101PB delivers lightweight mobility in a rugged tablet.

# Specifications

System	
<b>Model</b>	CT-RU101PB
<b>CPU</b>	Intel® Quad Core N2930 Bay Trail-M Processor (1.83GHz)
<b>System Memory</b>	1x DDR3L SDRAM up to 8 GB
<b>Security</b>	TPM 1.2 (upon request)
<b>Mobile Device Mgmt.</b>	SOTI Mobicontrol compatible (Optional)
<b>Storage</b>	128G mSATA SSD Optional: 256GB mSATA SSD
<b>Expansion Port</b>	1 x Expansion Connector for USB 2.0/FullRS232 (optional)
<b>Communication</b>	WiFi 802.11 a/b/g/n, Bluetooth 4.0, GPS (u-Blox Neo-6Q), 4G LTE (optional)
<b>OS Support</b>	Windows® 10 IoT Enterprise, Linux

Display and Touch	
<b>LCD Size / Type</b>	10.1" TFT IPS LCD
<b>Panel Ratio</b>	16:10
<b>Max. Resolution</b>	1920 x 1200 (Pixels)
<b>Max. Brightness</b>	700 nits
<b>Touch Screen</b>	PCAP 10-point Multi-Touch support Rain, Stylus, Glove modes
<b>Keyboard</b>	On-screen QWERTU keyboard
<b>Button</b>	1 x power, 1 x Home, 2 x volume (+/-) key, 2 x function key (programmable configured by Hottab Utility)
<b>LED indicators</b>	Power, Battery, HDD, RF

I/O Ports	
<b>Docking Connector</b>	x1 19-pin docking connector
<b>Micro HDMI</b>	x1 (optional)
<b>USB 3.0 Type A</b>	x1
<b>Expansion Port</b>	x1 Expansion Connector for USB2.0 / Full RS232 (optional)
<b>Audio Connector</b>	x1 Audio combo connector (Mic in or Line Out)
<b>Micro SD slot</b>	x1
<b>LAN/RS232</b>	x1 30-pin Combo conn (Giga-LAN or RS232)

Cameras & Data Capture	
<b>Web Camera</b>	2MP front webcam, 5MP rear camera with auto focus and LED light
<b>Barcode</b>	1D/2D Barcode Reader (optional)

Audio	
<b>Microphone</b>	x1 Built-in Mic
<b>Speaker</b>	x2 1-watt speakers

Power Requirements	
<b>AC adapter</b>	100-240V, 50-60Hz / 19V DC
<b>Battery</b>	7.4V, typ. 5140 mAh Li-polymer hot swappable battery, 8 hours battery life (standard) <sup>1</sup> 7.4V, typ. 10280 mAh Li-polymer hot swappable battery, 16 hours battery life (Optional) <sup>1</sup>

Environment	
<b>Operating Temperature</b>	-20 to 60 °C (AC mode), -10 to 50 °C (Battery mode)
<b>Storage Temperature</b>	-30 to 70 °C
<b>Operating Humidity (RH)</b>	10% to 90% (non-condensing)
<b>IP Rating</b>	IP65 Certified
<b>Shock</b>	MIL-STD-810G Method 516.6 Procedure I
<b>Vibration</b>	MIL-STD-810G Method 514.6 Procedure I
<b>Drop</b>	MIL-STD-810G Method 516.6, 4 ft to concrete <sup>3</sup>

Regulatory Certifications	
<b>EMC &amp; Safety</b>	FCC, CE

Physical Properties	
<b>Dimensions (WxDxH)</b>	271.8 x 197.2 x 19 (mm) <sup>2</sup>
<b>Net Weight</b>	1.2 kg (2.7 lbs.) with standard battery 1.4 kg (3.1 lbs.) with optional high capacity battery

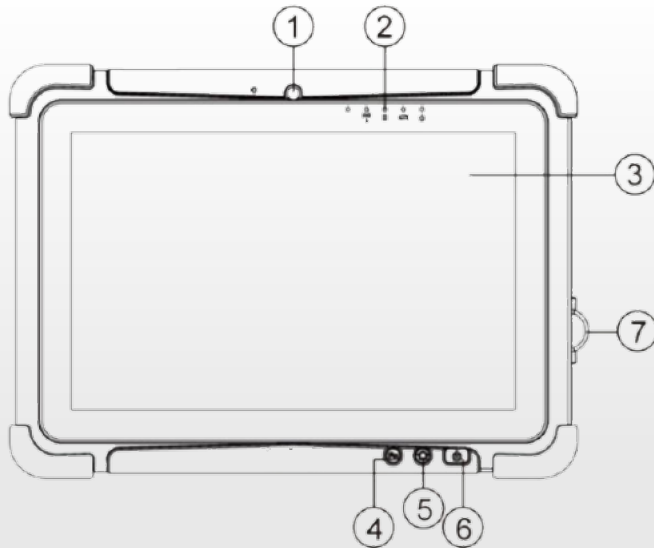
Standard Accessories	
	1 x Adapter and power cord
	1 x Standard Battery
	1 x Capacitive Stylus

1. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
2. Length measurements do not include protrusions. Weight varies with options and digitizer pen.
3. The drop test with high-capacity battery must come with hand strap.

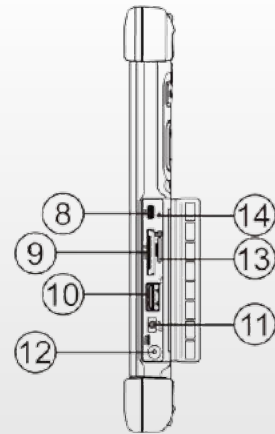
\* Specification subject to change without notice. Updated 24-Jun-2020.

# I/O Diagram

**Front:**



**Right:**



No	Item	Description
1	Front Camera	2 Megapixel Webcam
2	LED Indicators:	Show the current status of the Tablet Computer
3	Touch Screen	Display and act as one of the inputs for the Tablet Computer
4	Fn1 Button	Programmable function key configured by Hottab Utility
5	Menu Button	Hottab Quick Access
6	Power Button	Power on/off tablet
7	I/O Cover	Protects I/O ports

No	Item	Description
8	Micro HDMI	HDMI output to external display
9	LAN/RS232	Adapter port for LAN/RS232 connector
10	USB 3.0	High speed USB port connects to USB devices, such as USB flash drive, mouse, keyboard, printer, etc.
11	Mic In/Line Out	Headset or headphone can be connected (Mic is only supported with 3.5mm 4-pin headset)
12	Power Jack	DC-IN power input jack
13	MicroSD Card Reader	Memory card reader port for MicroSD Card
14	Reset Button	Hardware reset button

# Accessories



Hand Strap



High Capacity Battery



Shoulder Strap



Desk Docking



Vehicle Docking



Dual-Bay Battery Charger



Vesa Mounting Kit

## Ordering Information

Part Number	Description
CT-RU101PB-W4100	10.1" rugged tablet w/Windows® 10 IoT, 128 GB SSD, 4GB RAM
CT-RU101PB-W4200	10.1" rugged tablet w/Windows® 10 IoT, 256 GB SSD, 4GB RAM
CT-RU101PB-W410L	10.1" rugged tablet w/Windows® 10 IoT, 128 GB SSD, 4GB RAM, 4G LTE
CT-RU101PB-W420L	10.1" rugged tablet w/Windows® 10 IoT, 256 GB SSD, 4GB RAM, 4G LTE
CT-RU101PB-X4XXX	Additional configuration options (Part numbers defined by option selection)

Accessory Part Numbers	Description
22926	Hand Strap
22927	7.4V/10280 mAh Li-Polymer Battery
22928	Shoulder Strap
22929	Desk Docking
22930	Vehicle Docking
22931	VESA Mounting Kit
22932	2-Bay Battery Charger

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