



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 core i5-7200U Kaby lake processor paired with genuine Intel graphics for high performance. The 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

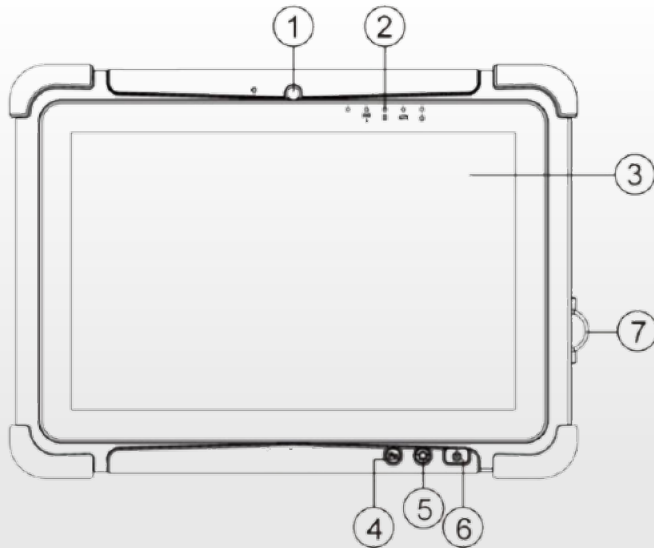
System		Cameras & Data Capture	
Model	CT-RU101PB	Web Camera	2MP front webcam, 5MP rear camera with auto focus and LED light
CPU	Intel® Quad Core N2930 Bay Trail-M Processor (1.83GHz)	Barcode	1D/2D Barcode Reader (optional)
System Memory	1x DDR3L SDRAM up to 8 GB	Audio	
Ethernet	Gigabit Ethernet (RJ45)	Microphone	x1 Built-in Mic
Security	TPM 1.2 (upon request)	Speaker	x2 1-watt speakers
Mobile Device Mgmt.	SOTI Mobicontrol compatible (Optional)	Power Requirements	
Storage	128G mSATA SSD Optional: 256GB mSATA SSD	AC adapter	100-240V, 50-60Hz / 19V DC
Expansion Port	1 x Expansion Connector for USB 2.0/FullRS232 (optional)	Battery	7.4V, typ. 5140 mAh Li-polymer hot swappable battery, 8 hours battery life (standard) ¹ 7.4V, typ. 10280 mAh Li-polymer hot swappable battery, 16 hours battery life (Optional) ¹
Communication	WiFi 802.11 a/b/g/n, Bluetooth 4.0, GPS (u-Blox Neo-6Q), 4G LTE (optional)	Environment	
OS Support	Windows® 10 IoT Enterprise, Linux	Operating Temperature	-20 to 60 °C (AC mode), -10 to 50 °C (Battery mode)
Display and Touch		Storage Temperature	-30 to 70 °C
LCD Size / Type	10.1" TFT IPS LCD	Operating Humidity (RH)	10% to 90% (non-condensing)
Panel Ratio	16:10	IP Rating	IP65 Certified
Max. Resolution	1920 x 1200 (Pixels)	Shock	MIL-STD-810G Method 516.6 Procedure I
Max. Brightness	700 nits	Vibration	MIL-STD-810G Method 514.6 Procedure I
Touch Screen	PCAP 10-point Multi-Touch support Rain, Stylus, Glove modes	Drop	MIL-STD-810G Method 516.6, 4 ft to concrete ³
Keyboard	On-screen QWERTU keyboard	Regulatory Certifications	
Button	1 x power, 1 x Home, 2 x volume (+/-) key, 2 x function key (programmable configured by Hottab Utility)	EMC & Safety	FCC, CE
LED indicators	Power, Battery, HDD, RF	Physical Properties	
I/O Ports		Dimensions (WxDxH)	271.8 x 197.2 x 19 (mm) ²
Docking Connector	x1 19-pin docking connector	Net Weight	1.2 kg (2.7 lbs.) with standard battery 1.4 kg (3.1 lbs.) with optional high capacity battery
Micro HDMI	x1 (optional)	Standard Accessories	
USB 3.0 Type A	x1		1 x Adapter and power cord
Expansion Port	x1 Expansion Connector for USB2.0 / Full RS232 (optional)		1 x Standard Battery
Audio Connector	x1 Audio combo connector (Mic in or Line Out)		1 x Capacitive Stylus
Micro SD slot	x1		
LAN/RS232	x1 30-pin Combo conn (Giga-LAN or RS232)		

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.

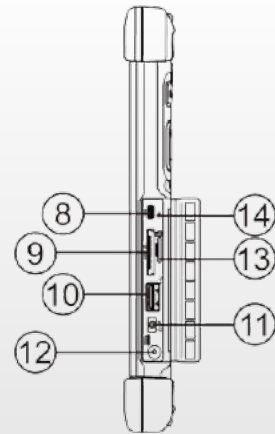
* Specification subject to change without notice. Updated 24-Jun-2020.

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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