CONTEC
Technology for a better life

10.1" Fully Rugged Tablet
CT-RU101PA

Intel® ATOM™ E3827 Processor

Full IP65

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

Wide Expansion Design for Data Capture

1000 Nits Sunlight-Readable Display

GNSS, Wi-Fi, Bluetooth, and Optional 4G LTE

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

Long Life, Revision Controlled

Don't let its stylish design fool you, Contec's CT-RU101PA 10.1" tablet is ready to take on the harshest environments. This fully rugged tablet features IP65 protection from dust and liquids, MIL-STD-810G rated drop, shock, and vibration resistance, and a wide temperature range of -4 to 122 degrees Fahrenheit. The CT-RU101PA is the first in its class with a 1000 nit sunlight-readable display for optimal performance outdoors. Powered by the Intel® Atom™ E3827 processor and equipped with the latest communication technology, The CT-RU101PA offers the performance and durability you need for optimal productivity, anytime, anywhere.

Specifications

System

Model	CT-RU101PA
CPU	Intel® ATOM™ Processor E3827 (1.75 GHz)
System Memory	1x DDR3L SO-DIMM up to 4 GB
Ethernet	Gigabit Ethernet (RJ45)
Security	TPM 1.2, Phoenix SecureWipe by request
Storage	128G mSATA SSD Optional: 256GB mSATA SSD
Expansion Slot	1x mPCIe (full size)
Communication	WiFi 802.11 a/b/g/n/ac, Bluetooth V4.0 + EDR, GNSS, 4G LTE (optional), NFC (optional)
OS Support	Windows® 10 IoT Enterprise, Linux
Barcode Scanner	Optional 1D/2D integrated barcode scanner

Display and Touch

LCD Size / Type	10.1" TFT LCD
Panel Ratio	16:10
Max. Resolution	1920 x 1200 (Pixels)
Max. Brightness	1,000 nits
Touch Screen	PCAP Multi-Touch supports gloved touch, water rejection, palm rejection
Glass Type	2mm hard top Gorilla Glass
Rubber Bumper	Integrated

Physical Properties

Rubber Bumper	Integrated
Dimensions (WxDxH)	280 x 195 x 23 (mm)
Net Weight	1.33 Kg (2.93 lbs) [2]

I/O Ports

USB 2.0 Type A	x1
USB 3.0 Type A	x1
RS232 (optional USB 2.0 Type A)	x1
Audio headset Jack	x1 (Headphone / microphone combo)
Docking connector	x1 (12-pin)
Micro SD slot	x1
Micro SIM slot	x1
Micro HDMI	x1
RF Pass-through Connector for WLAN/GNSS/WWAN	x2

Power Requirements

AC adapter	65W, 100-240V AC, 50/60Hz
Battery	4500mAh hot-swappable battery, 6 hours battery life [1] 9000mAh hot-swappable battery, up to 12 hours battery life (optional) [1]

Environment

Operating Temperature	-20 to 50 °C
Storage Temperature	-30 to 70 °C
Operating Humidity (RH)	95% (non-condensing)
IP Rating	Full IP65
Ruggedness	MIL-STD-810G certified, 5-foot drop resistance

Regulatory Certifications

EMC & Safety	FCC-B, CE, CB

1. The specified battery life was defined by MobileMark 2012 productivity mode testing with the wireless on. Battery life rating is for comparison purposes only. Actual battery life may vary based on configuration, application, power management, and operating conditions.
2. Actual weight varies by configurations and optional accessories

* Specification subject to change without notice. Updated 23-Jun-2020.

I/O Diagram

USB 2.0

Battery Switch
Micro HDMI
Micro SIM
Micro SD
USB 3.0
Audio Jack
Ethernet

2MP Camera
Mic-in   Mic-in

Barcode Trigger

DC-In

RS-232

Programmable
Button

Power

Volume

Home

Docking Connector

Kensington Lock   Pass-through

Removable Battery   5MP Camera   Barcode Reader (option)   NFC (option)

Snap-on

Pen

Accessories

Shoulder Strap

Top Carry Handle

Hand Strap

Car Adapter
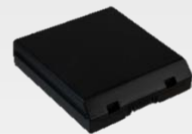

Desktop Dock USB2.0
x 4/RJ45 x 1/VGA
x 1/HDMI x 1

Dual-Bay Battery Charger

Standard 4500mAh Battery

Standard 9000mAh Battery

Ordering Information

Part Number	Description
CT-RU101PA-W4100	10.1" rugged tablet w/Windows® 10 IoT, 128 GB SSD, 4GB RAM
CT-RU101PA-W4200	10.1" rugged tablet w/Windows® 10 IoT, 256 GB SSD, 4GB RAM
CT-RU101PA-W410L	10.1" rugged tablet w/Windows® 10 IoT, 128 GB SSD, 4GB RAM, 4G LTE
CT-RU101PA-W420L	10.1" rugged tablet w/Windows® 10 IoT, 256 GB SSD, 4GB RAM, 4G LTE
CT-RU101PA-X4XXX	Additional configuration options (Part numbers defined by option selection)

Accessory Part Numbers	
22933	Shoulder Strap with D Rings
22934	Top Carry Handle with D Rings
22935	Hand Strap with D Rings
22937	Car Adapter4500mAh Battery
22938	Desktop Dock USB2.0 x 4/RJ45 x 1/VGA x 1/HDMI x 1
22939	Dual-Bay Battery Charger
22940	Standard 4500 mAh Battery
22941	Extended 9000 mAh Battery
22936	D Rings x4

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