

RUGGED TABLET COMPUTER RTC-80A SERIES



Low Power



Multi-Touch

Rugged Tablet Computer with Intel® X5-Z8550 2.40GHz Quad Core Processor, 8" 470NIT PCAP Touch Screen, WiFi, Bluetooth® Micro HDMI, 2 USB, 8MP Camera, 4G LTE Ready



WiFi Ready



4G LTE Ready



Wide Temp



Fanless



5ft Drops to Concrete



IP65 Dust/Water Protection

SYSTEM SPECIFICATIONS

Casing	IP65 rated, 1 meter 1000 cycle tumble test, MIL-STD-810G, 5ft drop to concrete 26 times all sides
LCD Panel	8" WUXGA 800 x 1280 IPS 470 nits
Touch Screen	Projective Capacitive, 10-point multi-touch, supports glove mode and wet-touch mode
Processor	Intel® x5-Z8550 2.40GHz
Processor Generation	Cherry Trail™
Processor Cores	4
Memory	4GB on board LPDDR3 (standard), max support 8GB
Storage	64GB (standard) or 128GB eMMC
Chipset	SoC integrated
Graphics	Intel® 600 MHz
Audio	1 • Microphone, 2 • 85dB integrated speakers
GPS	Broadcom® with internal active patch antenna
Camera	1 • rear facing 8PM auto focus with flash 1 • front facing 2PM auto focus
WiFi	Intel® 802.11ac/a/b/g/n WiFi, Bluetooth® 5.1
4G Ready	Sierra Wireless 4G LTE - Verizon® or AT&T® M.2 Module (optional)
Sensors	9 axis MEMS sensor (Accelerometer, eCompass, Gyroscope) Ambient Light Sensor
BIOS	AMI UEFI
Expansion Interface	1 • 1D/2D Integrated barcode scanner (optional) 1 • NFC Reader (optional) 1 • FIPS complaint finger print reader (optional)
Buttons	1 • Power, 1 • Vol+, Vol-, 1 • Programmable Key
Security	1 • Intel® TPM 2.0

MECHANICAL SPECIFICATIONS

Color	Black
Construction	IP65 rated, impact-resistant double injected, ABS+PC polymer with rubber, multiple 5ft drops to concrete
Dimensions (W x H x D)	232.6mm x 150mm x 0.22mm (9.16" x 5.9" x 0.87")
Weight	850g (1.87 lbs.)

POWER SUPPLY

Power	Hot-swappable 3.7V 11850mAh li-polymer battery pack, (8.5 hrs. of usage @ full brightness) *WiFi and Bluetooth® enabled Field replaceable bridge battery
Power Adapter	110 ~ 240 AC to 19VDC 65W, multi-country line cords available

REGULATORY SPECIFICATIONS

Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
EMI/EMC	FCC class B, CE standards applied
Dust & Water Protection	IP65 rated
Vibration	5~500Hz 0.5G PTP 30 mins.
Shock	operating: 40G (3ms), non-operating: 210G (3ms)
Impact	5ft drops to concrete

FEATURES

- IP65-rated enclosure: MIL-STD-810G
- 8" 470 NIT, PCAP Touch, Supports Glove Mode and Wet-Touch Mode
- Intel® x5-Z8550 2.40GHz Quad Core Processor
- 4GB LPDDR3 RAM, max. up to 8GB
- 4G LTE Ready - Verizon® or AT&T®
- Wifi Intel® ac/a/b/g/n, Bluetooth® 5.1
- 8MP rear camera with flash, 2MP front camera
- Hot swappable 3.7V, 11850 mAh Li-Polymer Battery Pack
- 8.5 Hours of Battery Operation
- TPM 2.0 Module
- 1D/2D integrated Barcode Scanner
- Accessories: Vehicle Dock, Desktop Cradle, 4-Bay Battery Charger
- Wide range operating temperature supported



SYSTEM I/O

Right Side	1 • Power port 1 • USB 3.0 ports 1 • USB 2.0 port 1 • Micro HDMI 1 • Reset button
Top Side	1 • 3.5mm audio jack
Bottom Side	1 • Docking port
Back Side	1 • SIM slot (4G LTE) 1 • Micro SDXC card reader

ORDERING INFORMATION

Base	RTC-80 Rugged Tablet, 8" 800 x 1280, WUXGA 470NIT LCD, Intel Quad Core 2.4GHz X5-Z8550 Processor, 802.11ac/a/b/g/n, Bluetooth 5.1, Indoor/Outdoor Touch Screen, 1- USB 3.0 Port, 1- USB 2.0 Port, 1- Micro HDMI Port, 1- Micro SDXC Card Slot, 1- SIM Card Slot, 8MP CMOS Camera W/Flash (Back), 2MP Camera (Front), Ublox 7 GPS, TPM2.0, 9 Axis MEMS sensor: (Accelerometer, eCompass, Gyroscope), Dual Speakers, 3.5mm Audio Jack, Integrated Microphone, External Battery Pack (Hot-swappable), Screen Protector. (Does not include AC Wall Adapter)
RTC-80A-	

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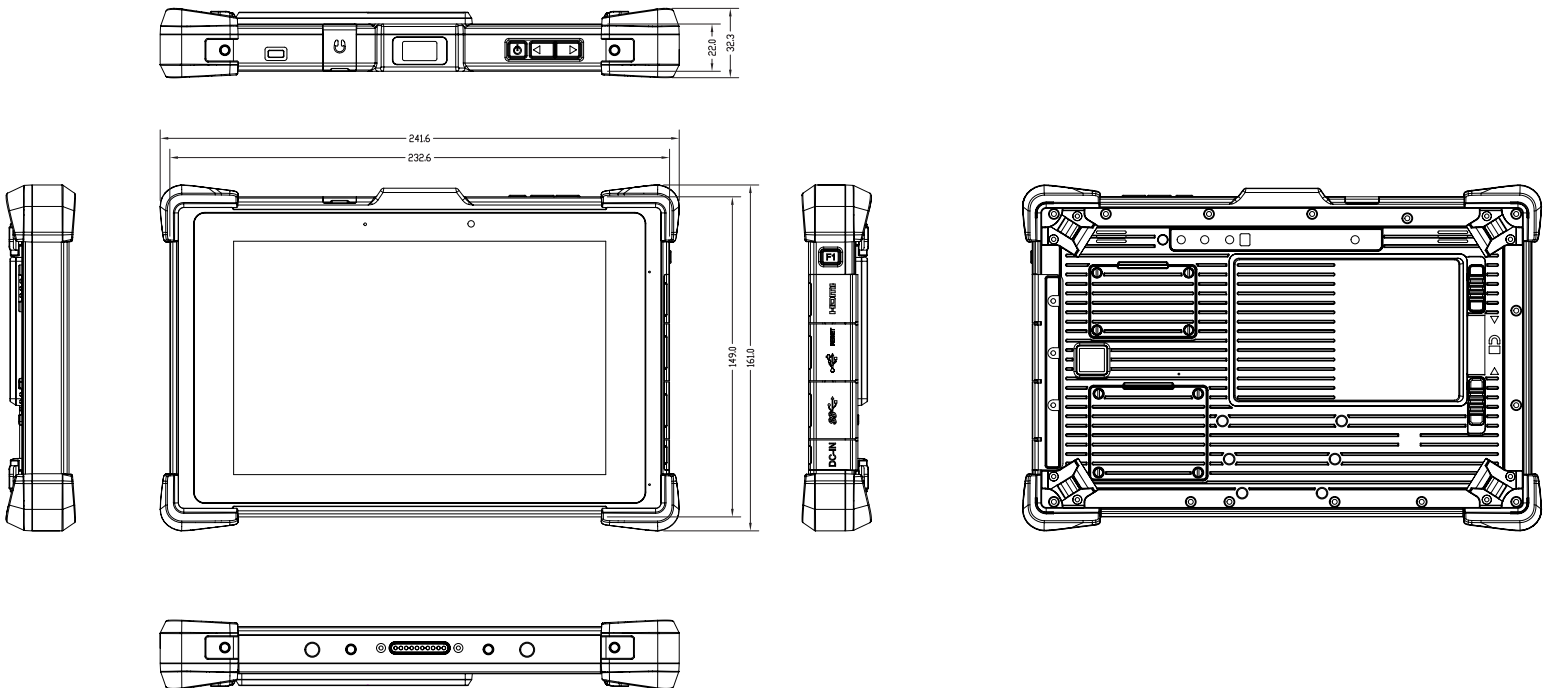
CONFIGURABLE & ACCESSORIES

Memory	4GB, 8GB
SSD	64GB, 128GB
4G LTE module	Sierra Wireless LTE - Verizon® or AT&T® 4G M.2 Module
Barcode Scanner	1D/2D Integrated barcode scanner
Operating System	Windows® 10 IoT Enterprise 2016 LTSC Entry (Atom), Windows® 10 IoT Enterprise 2019 LTSC Entry (Atom), Windows® 10 Professional 64bit, Ubuntu® Desktop 16.04 LTS 64bit
RTC-100-DTC	Desktop Cradle Includes: 2-USB 3.0 Ports, 1-10/100 Ethernet Port, 2-RS232 Ports, 1-VGA Port, 1-Display Port, 1-HDMI Port, 1-Speak & Mic, 1-Power. (Requires AC Wall Adapter with country-specific power cord)
RTC-100-4BAY	4-Bay Battery Charger, (Requires AC Wall Adapter with country-specific power cord)
RTC-80-VMC	Vehicle Cradle Includes: 2-USB 3.0 Ports, 1-10/100 Ethernet Port, 2-RS232 Ports, 1-Speak & Mic, 1-Power Port
AC wall adapter	3731030261
Battery Pack	9701032080
Hand-Strap "X"	9702013010

WARRANTY

Standard Warranty	2 Year Warranty
Extended Warranty	TotalCare Protection 3 or 5 Year Extended
Expected Life Cycle	7 Years

DIMENSIONS



Measurements shown in mm. All dimensions are ± 0.5mm