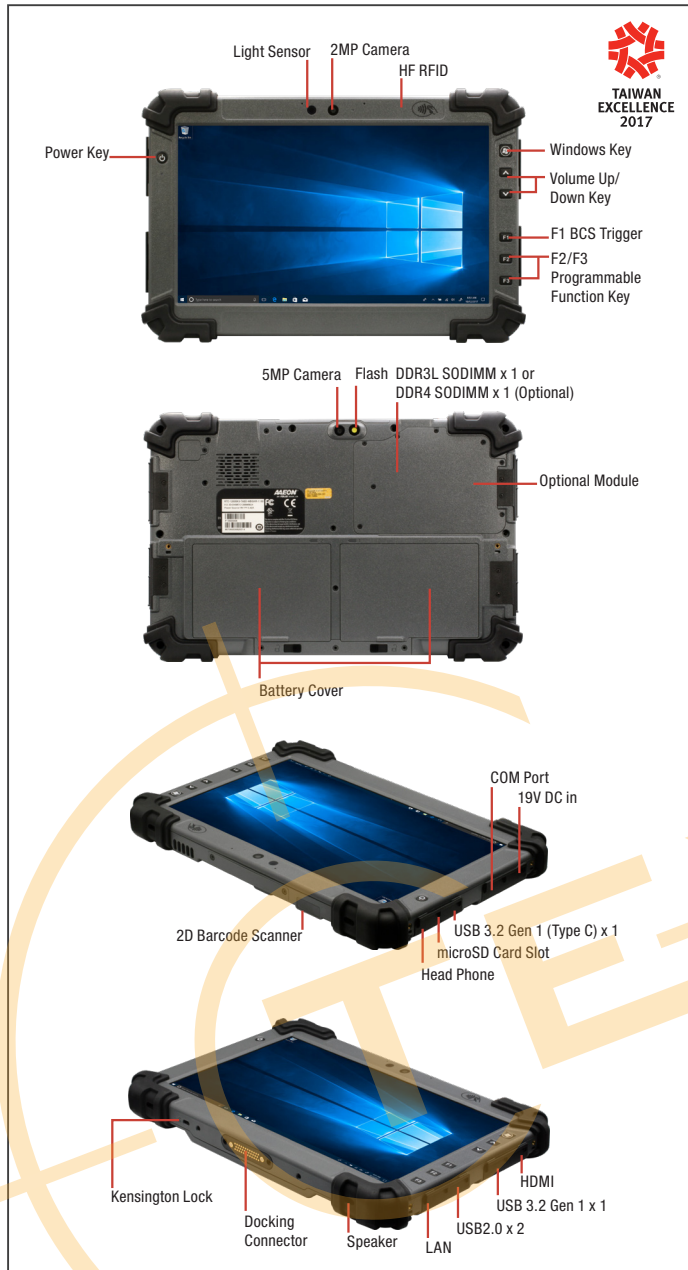


▶ RTC-1200

11.6" Rugged Tablet Features Intel Kaby Lake Up To 3.9 GHz Dual Core Processor with Windows® 10



Specifications

System Architecture	
Processor	Intel® Core™ i 7100U / 7300U Dual Core up to 3.9GHz Intel® Celeron® 3965U Dual Core 2.2GHz Processor
Operating System	Windows® 10 IoT Enterprise 64bit (Default)
Memory	DDR4 SO-DIMM Socket x 1, up to 16GB
Storage	M.2 (NGFF) SSD, 64GB (Default) / 128GB / 256GB
Display	11.6" FHD (1920x1080) 500-nit / 850-nit TFT-LCD With Projected Capacitive Multi-Touch Screen
I/O Port	HDMI port x 1, SIM card slot x 1, Micro-SD card slot x 1 Audio jack x 1 (3.5mm), USB 3.2 Gen 1 x 2 (USB Type-C x 1), USB 2.0 x 2, DC-in Jack x 1, RS-232/422/485 COM Port x 1 10/100/1000 Base-T RJ45 x 1
Communication	Wi-Fi 802.11 b/g/n, Bluetooth v5.1
Navigation	GPS, GLONASS ==> Located in I/O board, PER-T407 143NEOM800: u-blox NEO-M8Q-0
WWAN(optional)	LTE via mini-card slot (Optional)
Camera	2MP front camera, 5MP auto-focus rear camera with flash
Sensor	G-sensor, E-compass, Gyro-sensor, Light-sensor

Features

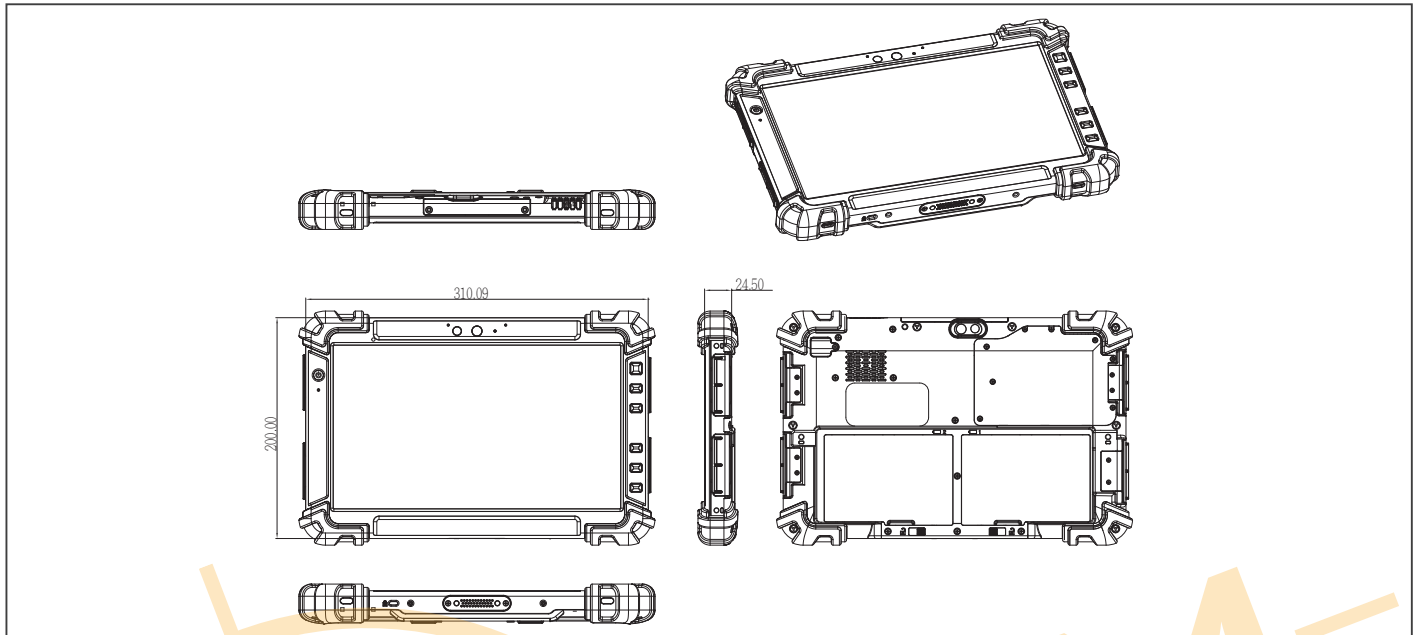
- 11.6" FHD (1920 x 1080) 500-nit / 850-nit TFT LCD
- Intel® Core™ i 7100U / 7300U / Celeron® 3965U Up to 3.9 GHz
- One DDR4 SODIMM Socket, Up to 16GB
- One M.2 Slot for SSD, 64GB (Default) / 128GB / 256GB
- WiFi 802.11b/g/n, Bluetooth 5.1, LTE (Optional)
- 2MP Front and 5MP Rear Camera
- RS-232/422/485 COM Port + 10/100/1000 Base-T RJ45
- USB 3.2 Gen 1 x 2 (USB Type-C x 1), USB 2.0 x 2
- 2D Barcode Scanner / HF RFID (NFC) Reader (Optional)
- Hot-swappable Battery, 14.4V/ 2270mAh, 32.7W x 2
- MIL-STD-810G, IP65 Compliant, Drop 122cm
- Programmable Function Key: Windows, Volume Up/Down, P1, P2, P3, With LED Illumination
- Docking Connector with GNSS / WWAN Antenna Pass-through Connector
- Windows® 10 IOT



Expansion Slot	Mini-card slot x 1 (For LTE module) Docking connector x 1 GNSS antenna Pass-through connector x 1 WWAN antenna Pass-through connector x 1
Barcode Scanner (Optional)	2D Barcode scanner, OPTICON MDI-4100-USB (Optional)
HF RFID (Optional)	ISO 15693 (R/W), ISO 18092 (R/W), ISO 14443-A (R/W), ISO 14443-B (Only Read UID), Depend on card type
Audio	Speaker x 1
Physical Key	F0 or Windows (Windows Start Key), F1 (Ctrl+Atl+Del & BCR Trigger Button (When BCR is enabled)), F2 (Touch Mode Switch), F3 (Screenprint), Volume Up (Speaker Volume Up), Volume Down (Speaker Volume Down)
Mechanical	
Color	Gray & Black
Dimension (W x H x D)	12.36" x 7.87" x 0.96" (310.4 mm x 200.0 mm x 24.5 mm)
Gross Weight	3.3 lbs (1.5 Kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Temperature	-22°F ~ 158°F (-30°C ~ 70°C)
Humidity	5% ~ 90% relative humidity, non-condensing
Environmental Sealing	IP65
Vibration	MIL-STD-810G-514.6 Procedure I Cat.24, Fig 514.6E-1 & 514.6E-2
Drop	MIL-STD-810G Method 516.6 Procedure IV -Height of Drop: 122cm (48 inch; 4ft) -Number of Drop: 26 times, for all surfaces, edges and corners Condition: Based on 2" plywood over concrete
Shock	—
ESD	Air charge: +/- 8KV, Contact charge: +/- 4KV
Certifications and Standards	UL60950-1, CE/LVD: EN60950-1, CE, FCC
Power Supply	
AC / DC Adapter	AC 100 ~ 240 V, 50 ~ 60 Hz, Output: 19V/ 3.42A/ 65W
Battery Life	Li-ion Battery 6-hour battery life based on test configurations
Master Battery	Hot-swappable battery: 14.4V, 2270mAh, 32.7W
Slave Battery	Hot-swappable battery: 14.4V, 2270mAh, 32.7W
Display	
LCD	11.6" TFT-LCD Display
Resolution	1920 x 1080
Maximum Color	16.7M
Dot Size	0.117 (H) x 0.117 (V) mm
Brightness	500 nits (850 nits, Optional)
Viewing Angle	Horizontal: 178°, Vertical: 178° (Typical)
Touch Screen	
Touch Type	Projected Capacitive Multi-Touch Screen (PCT) Gloves / Finger mode Switchable by F2
Light Transmission	Min. 87% (ASTM D1003; Wavelength = 550 nm)

Dimension

Unit: mm



Packing List

- **RTC-1200**
- **125530065A**
AC-To-DC Power Adaptor, 19V, 65W

*Power cord must be purchased separately.

Optional Accessories

- **RDS-241V-0000**
Docking Station, W/ Stand
- **RDS-241V-0001**
Docking Station, W/O Stand
- **RBC-1200-000**
4-bay Battery Charger
- **RTC-1200HSP01-000**
Rotating Hand-Strap
- **RTC-1200BLT01-000**
Shoulder Belt
- **RTC-1200BAT01-000**
Battery Pack, 14.4V, 2270mAh,
2 pcs/Box
- **RTC-1200BKT01-000**
Mounting Bracket (VESA/RAM)
- **RTC-1200-STS01-000**
Passive Stylus
- **RTC-1200-STS02-000**
Active Stylus
- **1259X00004**
DC-To-DC Power Adaptor, Flying
Wires
- **1255900901**
DC-To-DC Power Adaptor,
Cigarette Plug

* Small quantity MOQ may apply for optional/customized services.

Ordering Information

Part Number	CPU	OS	LCD Display	Touch Screen	System Memory	Storage	Expansion I/O	Sensor	WiFi/Bluetooth	Navigation	LTE Bands (MHz)	Camera	2D Barcode Scanner	NFC	Battery	Power
RTC-1200-RH1001	Celeron 3965U	Windows 10 IOT	11.6" 850 nits	PCT 10 points	SODIMM DDR4 4GB	M.2 64GB	HDMI port x 1 SIM card slot x 1 Micro-SD card slot x 1 Audio jack x 1 USB 3.0 x 1, USB 2.0 x 2 DC-in jack x 1 RS-232/422/485 COM Port x 1 10/100/1000 Base-T RJ45 x 1	G-sensor E-compass Gyro-sensor Light-sensor	802.11 b/g/n + BT5.1	GPS / GLONASS	—	Front: 2MP Rear: 5MP w/ Flash	—	—	32.7W + 32.7W	DC19V
RTC-1200-RH1002	i3-7100U	Windows 10 IOT	11.6" 850 nits	PCT 10 points	SODIMM DDR4 4GB	M.2 64GB	HDMI port x 1 SIM card slot x 1 Micro-SD card slot x 1 Audio jack x 1 USB 3.0 x 1, USB 2.0 x 2 DC-in jack x 1 RS-232/422/485 COM Port x 1 10/100/1000 Base-T RJ45 x 1	G-sensor E-compass Gyro-sensor Light-sensor	802.11 b/g/n + BT5.1	GPS / GLONASS	—	Front: 2MP Rear: 5MP w/ Flash	—	Yes	32.7W + 32.7W	DC19V
RTC-1200-RH1003	i3-7100U	Windows 10 IOT	11.6" 850 nits	PCT 10 points	SODIMM DDR4 4GB	M.2 64GB	HDMI port x 1 SIM card slot x 1 Micro-SD card slot x 1 Audio jack x 1 USB 3.0 x 1, USB 2.0 x 2 DC-in jack x 1 RS-232/422/485 COM Port x 1 10/100/1000 Base-T RJ45 x 1	G-sensor E-compass Gyro-sensor Light-sensor	802.11 b/g/n + BT5.1	GPS / GLONASS	—	Front: 2MP Rear: 5MP w/ Flash	Yes	Yes	32.7W + 32.7W	DC19V
RTC-1200-RH1004	i5-7300U	Windows 10 IOT	11.6" 850 nits	PCT 10 points	SODIMM DDR4 4GB	M.2 64GB	HDMI port x 1 SIM card slot x 1 Micro-SD card slot x 1 Audio jack x 1 USB 3.0 x 1, USB 2.0 x 2 DC-in jack x 1 RS-232/422/485 COM Port x 1 10/100/1000 Base-T RJ45 x 1	G-sensor E-compass Gyro-sensor Light-sensor	802.11 b/g/n + BT5.1	GPS / GLONASS	—	Front: 2MP Rear: 5MP w/ Flash	—	Yes	32.7W + 32.7W	DC19V

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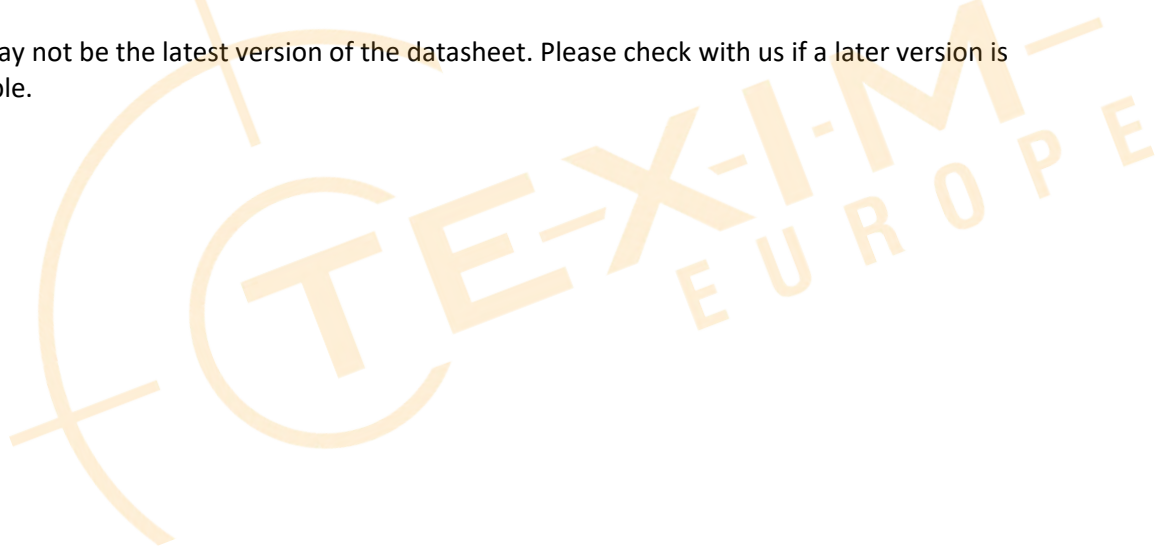
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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

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