

06 RTC-600R

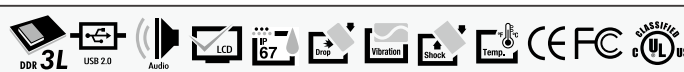
Rugged Tablet Computers

5.7" Rugged Tablet Handheld with Cortex-A17 Quad-core 1.6 GHz Processor



Features

- 5.7" HD (1280 x 720) TFT LCD 420 nits Display with LED Backlight
- Rockchip® ARM Cortex-A17 Quad-core 1.6 GHz Processor
- LPDDR3 2GB SDRAM
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Li-Polymer High-Capacity Battery, up to 8 Hours Battery Life
- Extended Swappable Battery, MIL-STD 810G, IP67 Compliant
- GPS/ GLONASS Simultaneously
- WiFi b/g/n, BT 4.0, WWAN, 3G/4G (Optional)
- Light Sensor/ G-Sensor/ E-Compass/ Vibration Motor
- 8MP Camera, 1D/2D BCS
- Supports NFC/RFID, Variant Extensions
- Docking Station (Optional)
- Android™ 6.0



WWAN(optional)	3G: WCDMA, 4G: LTE
Camera	8 MP auto-focus rear camera with flash
Sensors	G-sensor, E-Compass, Gyroscope, Light-sensor
Expansion Slot	Docking
Barcode Code Scanner (optional)	1D Scanner support CMOS engine (optional), 2D Scanner support LED engine
RFID (optional)	HF RFID based on 13.56MHz compatible with NFC

Mechanical	
Color	Black
Dimension (W x H x D)	W105 x H210 x D21(mm)
Gross Weight	430g
Environmental	
Operating Temperature	-20°C ~ 60°C (-4 °F ~ 140°F)
Storage Temperature	-55°C to 75°C
Humidity	50°C; 5% ~ 90%RH; 120 hours, non-condensing
Environmental Sealing	IP67
Vibration	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2
Drop	MIL-STD-810G Method 516.6 Procedure IV - Height of Drop: 122cm (48 inch; 4ft), - Number of Drop: 26 times, - Floor: Twoinch plywood backed by concrete, - For all surfaces, edges and corners
ESD	Air charge: +/- 12KV, Contact charge: +/- 8KV
Certifications and Standards	UL: UL60950-1, CE/LVD: EN60950-1, FCC, CE

Power Supply	
AC / DC Adapter	AC 100~240V, 50~60Hz ; DC 12V/3A (36W)
Battery Life	Li-polymer High Capacity Battery, up to 8 Hours Battery Life
Master Battery	External Battery: 7.4V 1530mAh
Slave Battery	Removable Battery: 7.4V 1530mAh

Display	
LCD	5.7" TFT LCD / 16:9, with LED backlight
Resolution	1280 x 720 Pixels
Maximum Color	—
Dot Size	—
Brightness	420 nits; optional Sunlight Readable*
Viewing Angle	Vertical/ Horizontal 1780
Touch Screen	
Touch Type	Projected capacitive multi-touch screen (PCT)
Light Transmission	Min 87% (ASTM D1003; Wavelength = 550nm)

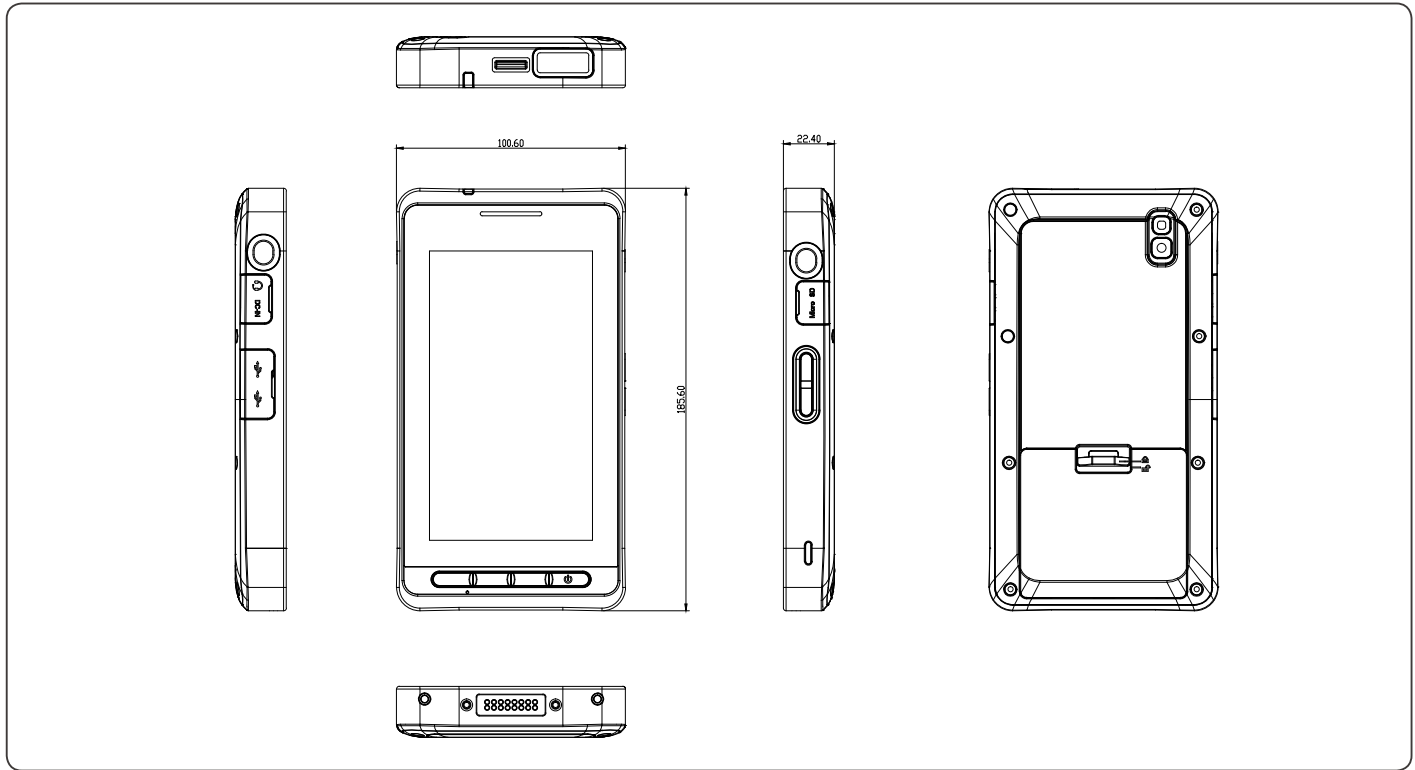
* Sunlight readable by optional Anti-Reflective bonding and optional anti-glare film.

Specifications

System Architecture	
Processor	Rackchip® RK3288 ARM Cortex™-A17 Quad-core 1.6 GHz
Operating System	Android™ 6.0
Memory	Onboard 2GB LPDDR2
Storage	Onboard 16GB eMMC
Display	5.7" TFT LCD / 16:9, with Projected Capacitive Multi-Touch screen
I/O Ports	SIM Card x 1, Micro SD Card Slot x 1, USB 2.0 (type A) x 1, Micro USB port x 1, 3.5-mm stereo headphone jack x 1, DC-In Jack x 1, Built-in Speaker & Microphone
Communication	Bluetooth v4.0, Wi-Fi (802.11 b/g/n), NFC / RFID (13.56MHz), 3G (Optional)
Navigation	GPS, Glonass

Dimension

Unit: mm



Packing List

- **1255300360**
AC Power Adapter
- **9789600A00**
Battery
- **Product CD**
- **RTC-600R**

Optional Accessories

- **1702031830**
Power Cable for USA
- **1700050156**
USB OTG Cable
- **1702031831**
Power Cable for Europe
- **AP-PS1757402101**
Vehicle DC/DC Adapter
- **RDS-1210-0000**
Docking Station
- **RDS-0040-0000**
4-Bay Battery Charger
- **219600A00**
Carry Bag

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

Ordering Information

Part Number	CPU	LCD Display	Touch Screen	System Memory	Storage	OS	WiFi/ Bluetooth	3G Bands (MHz)	Navigation	Sensor	Camera	Battery	Expansion I/O	Size & Weight	Operation Temp	Durable	NFC (HF RFID)	2D Barcode Scanner	Docking
RTC-600R-TAD-WBGH-5000	Rockchip® ARM Cortex-A17 Quad-core 1.6 GHz Processor	5.7"	Pcap 10-point	LPDDR3 2GB	16GB eMMC Flash	Android 6.0	802.11 b/g/n + BT4.0 + EDR	—	GPS	Light Sensor x 1 G Sensor x 1 3-axis digital gyroscope x 1 Vibrator x 1	8MP	Single Battery 7.4V, 1530mAh	USB 2.0 (type A) x 1, Micro USB x 1, Micro SD x 1, SIM Card x 1	L186.6 x W 100.6 x H 22.3 mm 430g	-20°C ~ 50°C	Meet IEC 60529 IP67 standard MIL Std 810G-514.6, Procedure IV MIL Std 810G-514.6, Procedure I 26 drops of 48" height to 2" plywood over concrete with bumpers & uNits off 2 units to pass	—	—	YES
RTC-600R-TAD-WBGH-5100	Rockchip® ARM Cortex-A17 Quad-core 1.6 GHz Processor	5.7"	Pcap 10-point	LPDDR3 2GB	16GB eMMC Flash	Android 6.0	802.11 b/g/n + BT4.0 + EDR	850/1900/2100	GPS/ Glonass/ AGPS	Light Sensor x 1 G Sensor x 1 3-axis digital gyroscope x 1 Vibrator x 1	8MP	Dual-Battery Internal: 7.4V, 1530mAh External: 7.4V, 1530mAh	USB 2.0 (type A) x 1, Micro USB x 1, Micro SD x 1, SIM Card x 1	L186.6 x W 100.6 x H 22.3 mm 480g	-20°C ~ 50°C	Meet IEC 60529 IP67 standard MIL Std 810G-514.6, Procedure IV MIL Std 810G-514.6, Procedure I 26 drops of 48" height to 2" plywood over concrete with bumpers & uNits off 2 units to pass	—	—	YES
RTC-600R-TAD-WBGH-5101	Rockchip® ARM Cortex-A17 Quad-core 1.6 GHz Processor	5.7"	Pcap 10-point	LPDDR3 2GB	16GB eMMC Flash	Android 6.0	802.11 b/g/n + BT4.0 + EDR	850/1900/2100	GPS/ Glonass/ AGPS	Light Sensor x 1 G Sensor x 1 3-axis digital gyroscope x 1 Vibrator x 1	8MP	Dual-Battery Internal: 7.4V, 1530mAh External: 7.4V, 1530mAh	USB 2.0 (type A) x 1, Micro USB x 1, Micro SD x 1, SIM Card x 1	L 186.6 x W 100.6 x H 22.3 mm 495g	-20°C ~ 50°C	Meet IEC 60529 IP67 standard MIL Std 810G-514.6, Procedure IV MIL Std 810G-514.6, Procedure I 26 drops of 48" height to 2" plywood over concrete with bumpers & uNits off 2 units to pass	—	YES	YES
RTC-600R-TAD-WBGH-5001	Rockchip® ARM Cortex-A17 Quad-core 1.6 GHz Processor	5.7"	Pcap 10-point	LPDDR3 2GB	16GB eMMC Flash	Android 6.0	802.11 b/g/n + BT4.0 + EDR	850/1900/2100	GPS/ Glonass/ AGPS	Light Sensor x 1 G Sensor x 1 3-axis digital gyroscope x 1 Vibrator x 1	8MP	Single Battery 7.4V, 1530mAh	USB 2.0 (type A) x 1, Micro USB x 1, Micro SD x 1, SIM Card x 1	L 186.6 x W 100.6 x H 22.3 mm 455g	-20°C ~ 50°C	Meet IEC 60529 IP67 standard MIL Std 810G-514.6, Procedure IV MIL Std 810G-514.6, Procedure I 26 drops of 48" height to 2" plywood over concrete with bumpers & uNits off 2 units to pass	YES	YES	YES
RTC-600R-TAD-WBGH-5101	Rockchip® ARM Cortex-A17 Quad-core 1.6 GHz Processor	5.7"	Pcap 10-point	LPDDR3 2GB	16GB eMMC Flash	Android 6.0	802.11 b/g/n + BT4.0 + EDR	850/1900/2100	GPS/ Glonass/ AGPS	Light Sensor x 1 G Sensor x 1 3-axis digital gyroscope x 1 Vibrator x 1	8MP	Dual-Battery Internal: 7.4V, 1530mAh External: 7.4V, 1530mAh	USB 2.0 (type A) x 1, Micro USB x 1, Micro SD x 1, SIM Card x 1	L 186.6 x W 100.6 x H 22.3 mm 495g	-20°C ~ 50°C	Meet IEC 60529 IP67 standard MIL Std 810G-514.6, Procedure IV MIL Std 810G-514.6, Procedure I 26 drops of 48" height to 2" plywood over concrete with bumpers & uNits off 2 units to pass	YES	YES	YES