RTC-700RK

7” Rugged Tablet ARM-based Android™ with 1.6 GHz Quad Core Processor

Features

- **7" WXGA (1280 x 800) TFT LCD Display, 400 nits, Sunlight Readable (Optional)**
- **Rockchip RK3288 1.6 GHz Quad Core Processor**
- **DDR3L 2GB SDRAM**
- **Projected Capacitive Multi-Touch Panel, Gorilla Glass**
- **Extended Battery Swappable, MIL-STD 810G, IP65 Compliant**
- **GPS/GLONASS Simultaneously**
- **WiFi b/g/n, Bluetooth V4.0**
- **Supports NFC/RFID, Ethernet + COM Port (Optional)**
- **1D/2D Barcode Scanner with Trigger Button (Optional)**
- **MSR (Optional)/SCR (Optional)**
- **G-Sensor, Light Sensor, E-Compass**
- **Android 6.0**

Specifications

System Architecture	
Processor	Rockchip RK3288 1.6 GHz Quad Core Processor
Operating System	Android™ 6.0
Memory	Onboard DDR3L 2 GB
Storage	Onboard 16GB eMMC
Display	7" TFT-LCD/ 16:10, with Projected Capacitive Multi-Touch screen
I/O Ports	DC-in jack x 1, MicroSD Card x 1, SIM card slot x 1, Mini USB x 1, MiniHDMI x 1, USB type A x 1 Built-in Speaker & Microphone x 1, 3.5mm stereo headphone jack x 1, 1D/2D Barcode scanner x 1 (optional), Magnetic Stripe Reader x 1 (optional), COM port x 1 + Ethernet x 1 (optional)
Communication	Bluetooth v4.0, Wi-Fi (802.11 b/g/n), NFC / RFID (13.56MHz), 3G (Optional)
Navigation	GPS, Glonass
WWAN(optional)	—
Camera	8 MP auto-focus rear camera with flash
Sensors	S-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)	5.38" x 8.58" x 0.83" (136.6mm x 219mm x 21mm)
Gross Weight	1.27lb (0.57kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Temperature	-67°F ~ 158°F (-55°C ~ 70°C)
Humidity	50°C; 5% ~ 90% R/H; 120 hours, non-condensing
Environmental Sealing	IP65
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: +/- 8KV, Contact charge: +/- 4KV
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	7" TFT-LCD / 16:10, with LED backlight
Resolution	1280 x 800 pixel
Maximum Color	16.7M
Dot Size	0.117(W) x 0.117(H)
Brightness	400 nits; Sunlight Readable (Optional)*
Viewing Angle	Horizontal: 178° (Typ.), Vertical: 178° (Typ.)
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.**

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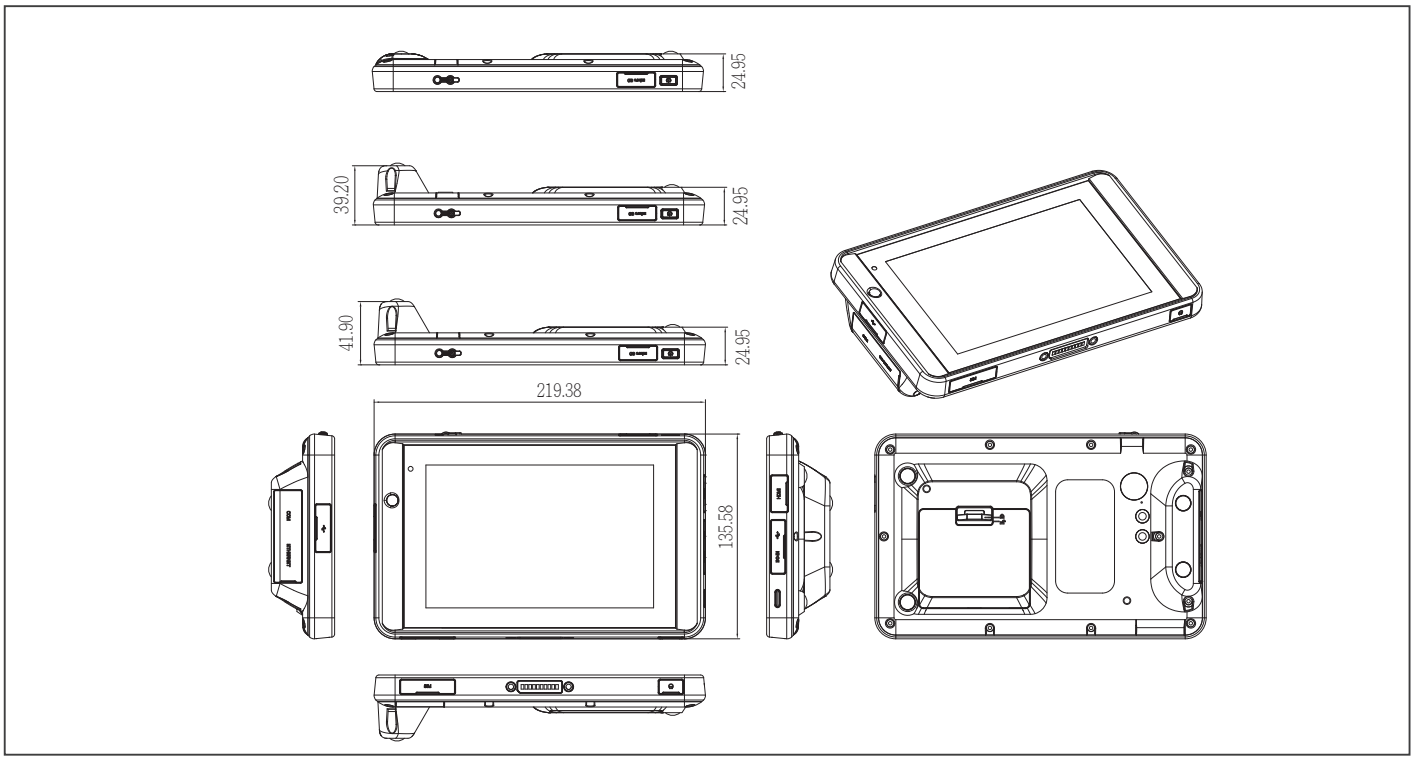
Dimension

Unit: mm



Packing List

- **1255300360**
  Power Adapter
- **9789600A00**
  Battery
- **Product CD**
- **RTC-700RK**

Optional Accessories

- **1255900361**
  Car Adapter, Flying Type
- **1255900360**
  Car Adapter, Barrel Type
- **1700050156**
  USB OTG Cable (Host to Device)
- **1702031830**
  Power Cord Cable for USA
- **1700051000**
  USB Cable (Client to PC)
- **1702031831**
  Power Cable for Europe
- **219700C001**
  Carry Bag w/ Shoulder Belt
- **PER-A151**
  USB, COM and RJ45 Module
- **PER-A155**
  MSR Module
- **PER-A156**
  MSR and SCR Module
- **TF-RDS-0310-0000**
  Docking Station(with Stand
- **TF-RDS-0310-0002**
  Docking Station(without Stand)
- **PER-A152**
  COM and Ethernet + Module
- **PER-A153**
  BCR Module
- **RDS-0040-0000**
  4-Bay Battery Charger
- **9759700B000**
  Hand Strap
- **9789700A04**
  Leather Strap for RTC-700X w/ BCR or LAN
- **9741600R04**
  Battery 2 Pcs in a Pack

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

Ordering Information

Part Number	CPU	LCD Display	Touch Screen	System Memory	Storage	OS	WiFi/ Blue-tooth	3G Bands (MHz)	Navigation	Sensor	Camera	Battery	Expansion I/O	Size & Weight	Operation Temp	Durable	NFC (HF RFID)	2D Barcode Scanner	Com + Ethernet	Docking
RTC-700RK-TAD-WBGRLE-6101	Rockchip RK3288 1.6 GHz Quad Core Processor	7" TFT LCD	Pcap 10-point	DDR3L 2GB	16GB eMMC Flash	Android 6.0	802.11 b/g/n + BT4.0+ EDR	—	GPS/ Glonass/ AGPS	Light Sensor x 1, G Sensor x 1, 3-axis digital groscopex 1, Vibratorx 1	Back: 8MP	Dual-Battery, Internal: 7.4V, 1530mAh, External: 7.4V, 1530mAh	MiniHDMI x 1 , MiniUSB x 1, micro SD x 1, SIM Card x 1	L219.4 x W135.58 x H 39.2 mm, 640g	-4°F ~ 140°F (-20°C ~ 60°C)	Meet IEC 60529 IP-65 standard, Mil Std 810G-516.6, Procedure IV, 26 drops of 48" height to 2" plywood over concrete with bumpers & uNits off, 2 units to pass	Yes	Yes	—	Yes
RTC-700RK-TAD-WBGRLE-6102		7" TFT LCD	Pcap 10-point	DDR3L 2GB	16GB eMMC Flash	Android 6.0	802.11 b/g/n + BT4.0+ EDR	—	GPS/ Glonass/ AGPS		Back: 8MP	Dual-Battery, Internal: 7.4V, 1530mAh, External: 7.4V, 1530mAh	MiniHDMI x 1 , MiniUSB x 1, micro SD x 1, SIM Card x 1	L219.4 x W135.58 x H 41.9 mm, 640g	-4°F ~ 140°F (-20°C ~ 60°C)		Yes	—	Yes	Yes

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