

06 RTC-600A

Rugged Tablet Computers 5.7" Rugged Tablet Handheld with OMAP™ 1.5 GHz Processor



Features

- 5.7" HD (1280 x 720) TFT LCD 420 nits Display with LED Backlight
- TI® OMAP™ 4470, up to 1.5 GHz Processor
- LPDDR2 1GB 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 3.0, WWAN, 3G (Optional)
- Light Sensor/ G-Sensor/ E-Compass/ Vibration Motor
- 5MP Camera, 1D/2D BCS
- Supports NFC/RFID, Variant Extensions
- Docking Station (Optional)
- Android™ 4.2



| | |
|---------------------------------|---|
| WWAN(optional) | 3G: WCDMA |
| Camera | 5 MP auto-focus rear camera with flash |
| Sensors | Light Sensor, G-Sensor, 3-axis digital gyroscope,vibrator |
| 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) | 4.1" x 8.2" x 0.8"(105mm x 201mm x 21mm) |
| Gross Weight | 0.94lb (0.43kg) |
| Environmental | |
| Operating Temperature | -20 °C ~ 60 °C (-4°F ~ 140°F) |
| Storage Temperature | -55 °C ~ 70 °C(-67°F ~ 158°F) |
| 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: +/- 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 | 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) |

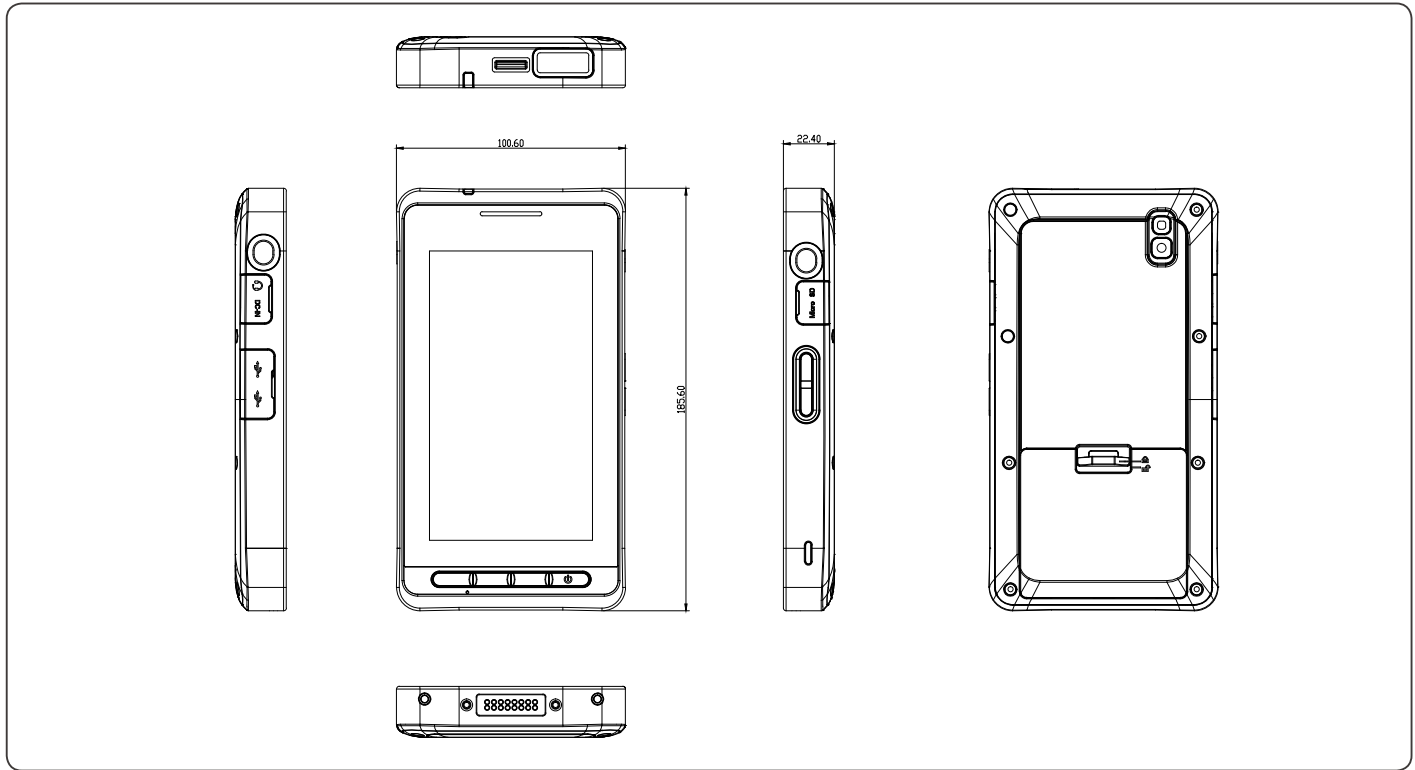
* Sunlight readable by optional Anti-Reflective bonding and optional anti-glare film.

Specifications

| System Architecture | |
|---------------------|---|
| Processor | TI® OMAP™ 4470 1.5GHz Dual Core Processor |
| Operating System | Android™ 4.2 |
| Memory | Onboard 1 GB LPDDR2 |
| Storage | Onboard 16 GB eMMC |
| Display | 5.7" TFT LCD/16:9, with Projected Capacitive Multi-Touch screen |
| I/O Ports | SIM Card x1, Micro SD Card Slot x1, USB 2.0 (type A) x1, Micro USB port x1, 3.5-mm stereo headphone jack x1, DC-In Jack x1, 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-600A**

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-600A-TAD-WBG-5000 | Ti@ OMAP™ 4470 1.5GHz Dual Core Processor | 5.7" | Pcap 5-point | LPDDR2 1GB | 16GB eMMC Flash | Android 4.2 | 802.11 b/g/n + BT3.0 + EDR | — | GPS | Light Sensor x 1 G Sensor x 1 3-axis digital groscope x 1 Vibrator x 1 | 5MP | 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 ~ 60°C | Meet IEC 60529 IP67 standard MIL Std 810G-516.6, 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-600A-TAD-WBGH-5100 | Ti@ OMAP™ 4470 1.5GHz Dual Core Processor | 5.7" | Pcap 5-point | LPDDR2 1GB | 16GB eMMC Flash | Android 4.2 | 802.11 b/g/n + BT3.0 + EDR | 850/1900/2100 | GPS/ Glonass/ AGPS | Light Sensor x 1 G Sensor x 1 3-axis digital groscope x 1 Vibrator x 1 | 5MP | 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 ~ 60°C | Meet IEC 60529 IP67 standard MIL Std 810G-516.6, 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-600A-TAD-WBGH-5101 | Ti@ OMAP™ 4470 1.5GHz Dual Core Processor | 5.7" | Pcap 5-point | LPDDR2 1GB | 16GB eMMC Flash | Android 4.2 | 802.11 b/g/n + BT3.0 + EDR | 850/1900/2100 | GPS/ Glonass/ AGPS | Light Sensor x 1 G Sensor x 1 3-axis digital groscope x 1 Vibrator x 1 | 5MP | 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 ~ 60°C | Meet IEC 60529 IP67 standard MIL Std 810G-516.6, 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-600A-TAD-WBGHR-5001 | Ti@ OMAP™ 4470 1.5GHz Dual Core Processor | 5.7" | Pcap 5-point | LPDDR2 1GB | 16GB eMMC Flash | Android 4.2 | 802.11 b/g/n + BT3.0 + EDR | 850/1900/2100 | GPS/ Glonass/ AGPS | Light Sensor x 1 G Sensor x 1 3-axis digital groscope x 1 Vibrator x 1 | 5MP | 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 ~ 60°C | Meet IEC 60529 IP67 standard MIL Std 810G-516.6, 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-600A-TAD-WBGHR-5101 | Ti@ OMAP™ 4470 1.5GHz Dual Core Processor | 5.7" | Pcap 5-point | LPDDR2 1GB | 16GB eMMC Flash | Android 4.2 | 802.11 b/g/n + BT3.0 + EDR | 850/1900/2100 | GPS/ Glonass/ AGPS | Light Sensor x 1 G Sensor x 1 3-axis digital groscope x 1 Vibrator x 1 | 5MP | 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 ~ 60°C | Meet IEC 60529 IP67 standard MIL Std 810G-516.6, 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 |

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