

06 RTC-700M

Rugged Tablet Computers

7" Rugged Tablet ARM-based Android™ with 1.5 GHz Dual Core Processor



Features

- 7" WXGA (1280 x 800) TFT LCD Display, 400 nits, Sunlight Readable (Optional)
- TI® OMAP™ 4470 1.5 GHz Dual Core Processor
- DDR2 1GB 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
- Support 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 5.1



Camera	5 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	-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	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)

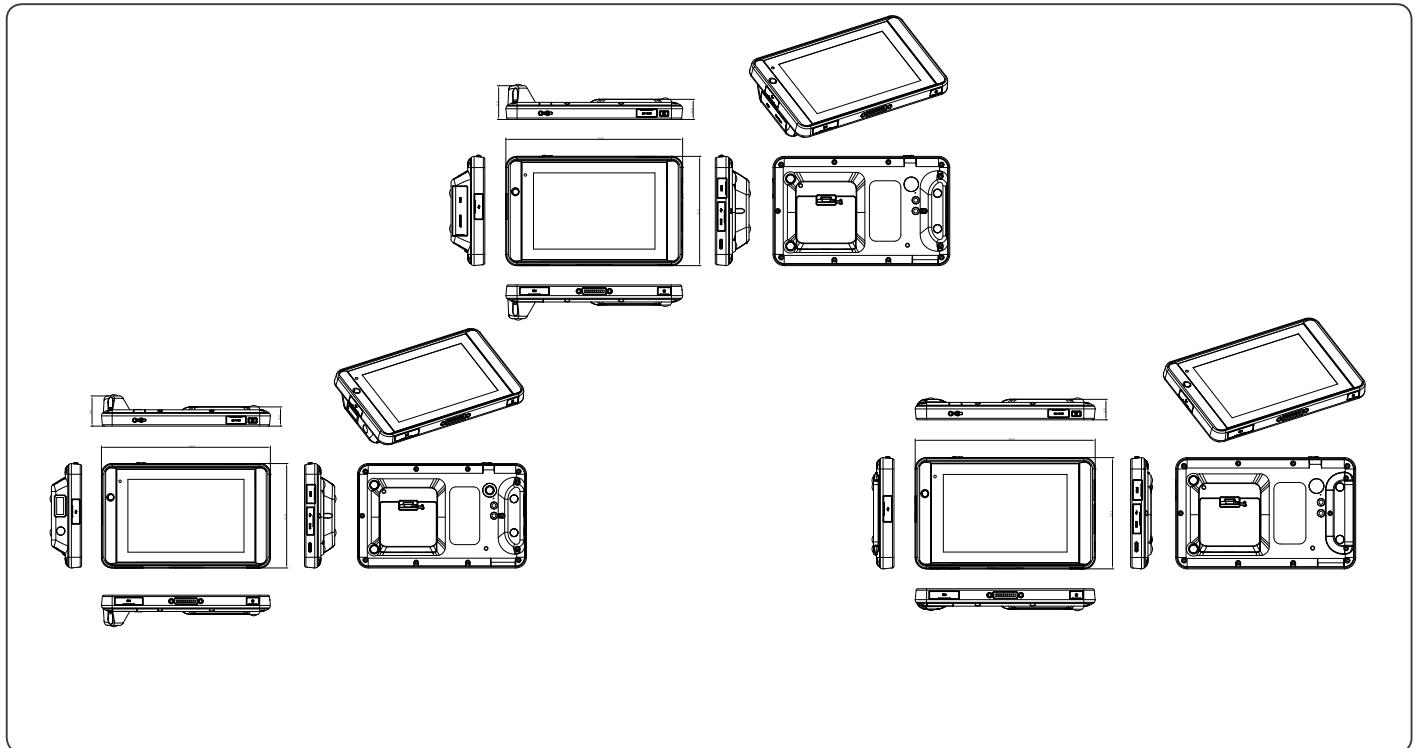
* Sunlight readable by optional Anti-Reflective bonding and optional anti-glare film.

Specifications

System Architecture	
Processor	TI® OMAP™ 4470 1.5GHz Dual Core Processor
Operating System	Android™ 5.1
Memory	Onboard 1GB LPDDR2
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, Built-in Speaker & Microphone x 1, 3.5mm stereo headphone jack x 1, 1D/2D Barcode scanner x 1 (Option), Magnetic Stripe Reader x 1 (Option), COM port x1+Ethernetx1 (Option)
Communication	Bluetooth v4.0, Wi-Fi (802.11 b/g/n), NFC / RFID (13.56MHz), 3G (Optional)
Navigation	GPS, Glonass
WWAN(optional)	3G: WCDMA

Dimension

Unit: mm



Packing List

- 1255300360 Power Adapter
- 9789600A00 Battery
- Product CD
- RTC-700M

Optional Accessories

- AP-OT9789666663 Vehicle Docking (Non-chargeable)
- 1700050156 USB OTG Cable (Host to Device)
- AP-PS1757402101 Vehicle DC/DC Adapter
- 1702031830 Power Cord Cable for USA
- 1700051000 USB Cable (Client to PC)
- 9789700A02 Desktop Stand
- 1702031831 Power Cable for Europe
- 219700C001 Carry Bag w/ Shoulder Belt
- PER-A151 USB, COM and RJ45 Module
- PER-A139 MSR Module
- PER-A140 MSR and SCR Module
- TF-RDS-0310-0000 Docking Station(with Stand)
- TF-RDS-0310-0002 Docking Station(without Stand)
- 9789700A01 Portable Stand
- 9789700A03 Portable Stand with Ring Hand Strap
- RDS-0040-0000 4-Bay Battery Charger
- 9759700B000 Hand Strap

Ordering Information

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

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	Com + Ethernet	Docking
RTC-700M-TAD-WBGHR-5101	TI® OMAP™ 4470 1.5GHz Dual Core Processor	7" TFT LCD	Pcap 10-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 x1, G Sensor x1, 3-axis digital grescopex 1, Vibrator x 1	Back: 5MP	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	-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-700M-TAD-WBGHR-5102		7" TFT LCD	Pcap 10-point	LPDDR2 1GB	16GB eMMC Flash	Android 4.2	802.11 b/g/n + BT3.0+ EDR	850/1900/2100	GPS/ Glonass/ AGPS		Back: 5MP	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	-20°C ~ 60°C		Yes	—	Yes	Yes
RTC-700M-TAD-WBGHR-5100		7" TFT LCD	Pcap 10-point	LPDDR2 1GB	16GB eMMC Flash	Android 4.2	802.11 a/b/g/n + BT4.0+ EDR	850/1900/2100	GPS		Back: 5MP	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 21.2 mm, 655g	-20°C ~ 60°C		—	—	—	Yes
RTC-700M-TAD-WBG-5100		7" TFT LCD	Pcap 10-point	LPDDR2 1GB	16GB eMMC Flash	Android 4.2	802.11 a/b/g/n + BT4.0+ EDR	—	GPS		Back: 5MP	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 21.2 mm, 655g	-20°C ~ 60°C		—	—	—	Yes

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