

Rugged Tablet Computers (RTC)

Computing Everywhere with AAEON's Rugged Tablet Computers



- Water & dust proof at IP65 level
- Supports touch panel in one small form factor
- Designed to withstand accidental drops and perform despite vibration
- Slim Design



GSA Contract Holder
GS-35F-0470Y

Focus • Agility • Competitiveness

Introduction

AAEON, a leading industrial computing manufacturer, offers both 7-inch and 10-inch ruggedized tablet computers (RTCs), providing field-deployed professionals with the durability, efficiency and connectivity needed to complete mission-critical tasks.

AAEON's Rugged Mobile Division (RMD) has designed its ruggedized tablet series to be MIL-STD-810G compliant, waterproof, scratch proof and able to stand up to real-world conditions such as accidental drops and shock as well as extreme temperatures. The RTC is sealed against contaminants and particulates making it well suited for hazardous applications such as military theatre of operations, where daily use may be in the arctic, the jungle or a desert location. For law enforcement personnel, the RTC offers enhanced safety with ease of operation and speed, so that operators can maintain focus on the situation at hand. EMS and public safety workers will be able to collect and relay critical data anywhere with a versatile tablet computer that will hold up to the rigors of emergency field work.

The rugged tablet market continues to expand as we establish greater levels of connectivity and performance, thus increasing productivity for the mobile workforce. These rugged tablets are available in various platforms such as Intel®, NVIDIA® and TI™ processors. The RTC line delivers high performance with low power consumption and long battery life ranging from 5 ~ 12 hours, meeting the demands of a full day out in the field. Car mount options and vehicle chargers will keep the system up and running for multiple shift operations. Ergonomic and compact in size, these lightweight, go anywhere tablets provide the necessary power and convenience to get the job done.

In addition to its GPS Navigation features, a Projected Capacitive Touch Screen (PCT), Advanced Optibond Technology (AOT™) and an optional digitizer make data input easy and accurate. Other built-in versatile sensors include the Accelerometer (G-sensor), E-compass, Gyro-sensor, magnetometer, Ambient light sensor and MEMS pressure sensor.

The RTC series of products can be customized as needed at competitive price points and have a long product life cycle with extended product support, making AAEON Rugged Tablets your optimal solution for ultra-mobile computing.

Electric Input Device in Cloud...



Applications



Professional Service



Public Safety



Manufacturing



Transportation & Distribution



Field Sales



Field Service



Maritime



Government/Military



Emergency Medical Service



Features

RTC-600A

RISC-based 5.7" Rugged Tablet Computer

- TI OMAP4470 1.5GHz Processor
- LP DDR2 1GB SDRAM
- 5.7" HD (1280 x 720) TFT LCD Display
- Projected Capacitive Multi-Touch Panel
- Dual, Li-Polymer High-Capacity Batteries, 8 to 10 hrs Battery Life
- Rugged, Water, and Dust Proof, IP65 Compliance
- WiFi 802.11 a/b/g/n, Bluetooth 3.0 + EDR
- 3G/LTE, RFID/NFC, 1D/2D Scanner module options
- G-sensor, Light Sensor, E-Compass
- High Accuracy GPS/GLONASS module
- Android 4.2
- Sunlight Readable (Options)
- Extension Modules, MSR, Smart Card Reader, Docking



RTC-700A

RISC-based 7" Rugged Tablet Computer

- NVIDIA® TEGRA™ 2 1.0 GHz Dual Core Processor
- DDR2 1GB SDRAM
- 7" WXGA (1280 x 800) TFT LCD Display
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Li-Polymer High-Capacity Battery, 8 Hours Battery Life
- Rugged, Water and Dust Proof, IP65 compliance
- Micro SD Card Slot, 5M Pixel Camera
- Wi-Fi 802.11 a/b/g/n, Bluetooth® 2.1+ EDR/ 4.0, Optional 3G/ LTE, Optional NFC/ RFID
- G-Sensor, Light Sensor, E-compass, GPS Navigation
- Android™ v3.2/ V4.0
- Sunlight Readable (Optional)
- Optional: Barcode Scanner 1D/2D, Magnetic Stripe Reader, MSR, Smart Card Reader, SCR, Docking



RTC-700T

Windows-based 7" X86 Rugged Tablet Computer

- Intel® Atom™ Z670 Processor (Formerly Lincroft)
- DDR2 1GB SDRAM
- 7" WVGA (1024 x 600) 16:10 TFT LCD Display
- Projected Capacitive Multi-Touch Screen
- Li-Polymer High-Capacity Battery, 2~3 Hours Battery Life
- MLD-STD-810G, Rugged, Water and Dust Proof, IP65 Compliance
- Micro SD Card Slot
- WiFi 802.11 b/g/n, Bluetooth® 2.1 + EDR
- GPS Navigation, G-Sensor, Light Sensor
- Windows® 7, Windows® Embedded Standard 7



RTC-700C

Windows-based 7" X86 Rugged Tablet Computer

- Intel® Atom™ Z2760 1.8GHz Dual Core Processor
- LPDDR2-800MHz, 2GB
- 7" (1280 x 800) 16:10 TFT LCD Display
- Anti-scratch with 5 Points Multi-touch Screen
- Sunlight Readable (Optional)
- Long Battery Life (Up To 8 Hours)
- WiFi 802.11 a/b/g/n, Bluetooth v4.0, NFC/RFID (HF), 3G (Optional), GPS/Glonass Navigation
- G-sensor, E-compass, Gyros, Vibrator Sensor
- MIL-STD-810G & IP65 Rating
- Windows® 8.1
- Optional: Barcode Scanner 1D/2D, Magnetic Stripe Reader, MSR, Smart Card Reader, SCR, Docking



RTC-900R

RISC-based 10" Rugged Tablet Computer

- NVIDIA TEGRA 2 1.0 GHz Dual Core Processor
- LP DDR2 1GB
- 10.1" WXGA (1280 x 800) TFT LCD Display
- Life Projected Capacitive Multi-Touch Panel
- Li-Ion High Capacity Battery, 10 Hours Battery
- Rugged, Water and Dust Proof, IP65 Compliance
- Micro SD Card Slot, 5M Pixel Rear Camera, 1.2M Pixel Front Camera
- WiFi 802.11 b/g/n, Bluetooth® 2.1 + EDR
- G-Sensor, Light Sensor, E-compass, GPS Navigation
- Android v4.0



RTC-900B

X86-based 10" Rugged Tablet Computer

- Intel® Atom™ 1.33 GHz Dual Core Processor
- DDR3L 1066 4GB, up to 8GB
- 10.1" WXGA (1280 x 800) TFT LCD Display
- Projected Capacitive Multi-Touch Panel
- Li-ion high- Capacity battery, 7 Hours battery Life
- Rugged, Water and Dust Proof, IP65 Compliance
- Micro SD Card Slot, 5M Pixel Rear Camera, 2M Pixel Front Camera
- Wi-Fi 802.11 a/b/g/n, Bluetooth® 4.0
- G-Sensor, Light Sensor, E-compass, GPS Navigation
- Windows® Industrial Pro 8.1



RTC-1000i

10.2" Rugged Tablet Computer

- Intel® Core™ i7-620UE 1.06GHz Processor
- DDR3 Onboard 2GB (Default) + SODIMM Socket x 1, Up To 6GB (Optional)
- 10.2" 1024 x 600 500-nit TFT LCD Sunlight Readable Display (Optional)
- Touch Screen, Advanced Optibond Technology (AOT™)
- 9-Cell Smart Li-Ion High-Capacity Battery, 5-Hour Battery Life
- Rugged, Water and Dust Proof, IP54 Compliance
- WiFi 802.11 b/g + Bluetooth 2.0
- PCMCIA or Smart Card, CompactFlash™ Card or SD Card Sockets
- GSM/ 3G/ 3.5G (Optional), GPS (Optional)
- Built-in G-Sensor
- Numeric Keypad, Programmable Function Keys



Technologies

Fully-Rugged Design



Water Resistant

- IEC 60529
- IP-x5 standard



Drop Test

- MIL-STD 810G Method 516.6 Procedure IV



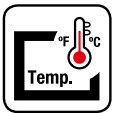
Dust Proof

- IEC 60529
- IP-6x standard



Vibration Test

- MIL-STD 810G 514.6 Procedure I Cat. 24, Fig. 514.6E-1 & 514.6E-2
- ASTM 4169-99 Truck Assurance Level II, Schedule E



Temperature Test

- MIL-STD 810G Method 501.5 Procedure I & II, Method 502.5 Procedure I & II, Method 503.5 Procedure I, Method 507.5 Procedure II

Outdoor Display Enhancement



Sunlight Readable LCD

- Readable content under sunlight
- Higher brightness solution
- AOT optical bonding



Ambient Light

- Power savings in dark environments
- Detects light and brightness



AOT™ (Advanced Optibond Technology)

- The best reflection reduction of any commercially available technology
- Reinforces the LCD display, making it much more rugged



Without AOT™ With AOT™

Built-in Versatile Sensors



GPS

- BGA GPS single chip solution



G Sensor

- Gravity sensor



E-compass

- Electronic compass



Gyro Sensor

- Electronic gyroscopes



Accessories

For RTC-600 Series :

RDS-1210

- Docking/Vehicle docking station



DRS-0040

- 4-bay Charger



Mobile and Fully Rugged Designs

- MIL-STD-810G Standard
- IP65 Compliance
- Integrate Multi-RF Solution
 - Wi-Fi
 - Bluetooth
 - GPS
 - 3G/4G LTE
 - NFC
- Long Battery Life
- Outdoor Application (High Brightness LCD)
- Mobile Platform Designed for Tablets
- Intel with Microsoft Platform
- ARM Base with Android platform

Integrated Accessory Options

- Magnetic Stripe Reader (MSR)
- 1D/2D Barcode Reader
- Smart Card Reader (Common Access Card)
- Docking Station



For RTC-700 & RTC-900 Series:

RDS-0310

- Power Input: DC input 12V
- I/O Port: USB Port x 4/ RJ-45 for 10/100 Base-TX Ethernet x 1/ Micro HDMI x 1/ RS-232 x 1
- Power Indicator: When system is detected, indicates in blue, or in yellow



Car Mount ARM



USB OTG Cable



Mini-USB to USB Converter



Vehicle DC/DC Adapter

- Input: 12 ~ 24V
- Output: DC 12V, Max. 1.8A



Carry Bag



Customized Services

- Longevity Support
- ODM Services
- Small QTY MOQ

For RTC-1000 Series:

GPS Kit

- 16 Channels GPS Correlator
- Baud Rate 57.6 (K Baud), Auto Enabled
- Supports NMEA, UBX Binary and RTCM Protocol



Office Docking

- USB2.0 x 4
- 10/100Base-TX Ethernet x 1
- COM x 1, VGA x 1
- VESA 75 Wallmount



3G Kit

- PCI-E Mini Card
- GSM, GPRS, EDGE
- WCDMA/ HSDPA/ HSUPA
- Touch Pen



Vehicle Adapter

- DC 11~27V Input
- DC 20V Output
- 3.6A, 72W



Hand Strap



Carry Bag



Accessory Part Numbers

Item	Type	Product	AAEON P/N	Description	RTC-700A	RTC-700T	RTC-700C	RTC-900R	RTC-900B	RTC-1000I
1	DC-DC Adaptor	RTC-700x/900x	AP-PS1757402101	Car Adaptor, DC/DC, 12~24V 12V, 2.7A/ 1.8A, 21.6W, Black, AOEM, C11A-1215C00-C2.V0.1 [Standard]	●	●	●	●	●	—
2	DC-DC Adaptor	RTC-1000x	1757407201	DC to DC Car Adaptor, 12-27V Input, 20V output, 72W	—	—	—	—	—	●
3	USB OTG Cable	RTC-700C/T	1700050159	USB OTG Cable (Host to Device)	●	●	●	—	●	—
4	USB OTG Cable	RTC-700A	1700050156	USB OTG Cable (Host to Device)	●	●	●	—	●	—
5	USB OTG Cable	RTC-700A	17000501000	USB Cable (Client to PC)	●	●	●	—	●	—
6	Carry Bag	RTC-700C	219700C001	(TF)Carry Bag, RTC-700C, Dawin, Leather, Black	—	—	●	—	—	—
7	Carry Bag	RTC-700T	219700T001	(TF)Carry Bag, RTC-700T, Dawin, Leather, Black	—	●	—	—	—	—
8	Carry Bag	RTC-700A	2192619062	Carry Bag w/ Shoulder Belt	●	—	—	—	—	—
9	Carry Bag	RTC-1000I	2192619061	Carry Case, for RTC-1000, Black	—	—	—	—	—	●
10	Carry Bag	RTC-900	AP-OT2169202168	RTC-900R Carry Bag	—	—	—	●	●	—
11	Car Mount	RTC-700x/900x	AP-OT978966663	Car Mount, For RTC-700R & RTC-700T	●	●	●	●	●	—
12	Office Docking Station	RTC-1000I	TF-RDS-141V-0000	Docking Station, w/ Stand	—	—	—	—	—	●
13	Vehicle Docking Station	RTC-1000I	TF-RDS-141V-0002	Docking Station, w/o Stand	—	—	—	—	—	●
14	Office Docking Station (Vehicle OPT)	RTC-700X	TF-RDS-0310-0000	Docking Station, w/Stand, COM x 1, USB x 4, LAN x 1, For RTC-700 Series	—	—	●	—	—	—
15	Office Docking Station (Vehicle OPT)	RTC-700X	TF-RDS-0310-0001	Docking Station, w/Stand, COM x 1, USB x 4, LAN x 1, HDMI x 1, For RTC-700 Series	●	—	●	—	—	—
16	Office Docking Station	RTC-900B	TF-RDS-0310-0002	Docking Station, w/Stand, COM x 1, USB x 4, LAN x 1, HDMI x 1, For RTC-900 Series	—	—	—	—	●	—

Ordering Information for AAEON's RTC Series

RTC-600A

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
RTC-600A-TA-WBGH-5000	OMAP 4470 1.5GHz	5.7"	Pcap 10-point	LPDDR2 1GB	16GB eMMC Flash	Android 4.2	802.11 a/b/g/h + BT3.0 + EDR	850/1900/2100	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axis digital gyroscope x 1 Vibrator x 1	SMP	Single Battery 7.4V, 1530mAh	MicroHDMI x 1, MicroUSB x 1, Micro SD x 1, SIM Card x 1	L 186.6 x W 100.6 x H 22.3 mm	430g	-20°C ~ 50°C	Meet IEC 60529 IP 65 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 & unit off 2 units to pass	—	—
RTC-600A-TA-WBG-5000								—	GPS			—	—						
RTC-600A-TA-WBGH-5001								850/1900/2100	GPS/AGPS			—	—						
RTC-600A-TA-WBG-5001								—	GPS			—	—						
RTC-600A-TA-WBGH-5100								850/1900/2100	GPS/AGPS			—	—						
RTC-600A-TA-WBG-5100								—	GPS			—	—						
RTC-600A-TA-WBGH-5101								850/1900/2100	GPS/AGPS			—	—						
RTC-600A-TA-WBG-5101								—	GPS			—	—						
RTC-600A-TA-WBGHR-5001								850/1900/2100	GPS/AGPS			—	—						
RTC-600A-TA-WBGHR-5101								850/1900/2100	GPS/AGPS			—	—						

RTC-700A

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	Sunlight Readable	MSR	SCR	Docking	
RTC-700A-TA-WBGH-2110	TEGRA 2 1.0 GHz	7" TFT LCD	Pcap 10-point	LPDDR2 1GB	16GB eMMC Flash	Android 4.0	802.11 b/g/h + BT2.1 + EDR	850/1900/2100	GPS/AGP	Light Sensor x 1 G Sensor x 1 3-axis digital gyroscope x 1 Vibrator x 1	Front: 1.2MP Basic SMP	27 Whr 7.4V 3700 mAh	MiniHDMI x 1, MiniUSB x 1, micro SD x 1, SIM Card x 1	L219.4 x W135.58 x H 21.2 mm	608g	-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 & unit off 2 units to pass	—	—	—	—	—	—	—
RTC-700A-TA-WBG-2110								—	GPS				—	—										
TF-RTC-700A-TA-WBGH-2810								850/1900/2100	GPS/AGPS				—	—										
TF-RTC-700A-TA-WBGH-1110								—	GPS				—	—										
TF-RTC-700A-TA-WBG-2328								850/1900/2100	GPS/AGPS				—	—										
TF-RTC-700A-TAD-WBGH-2328								—	GPS				—	—										
TF-RTC-700A-TAD-WBG-2328								850/1900/2100	GPS/AGPS				—	—										
TF-RTC-700A-TAD-WBGH-2928								—	GPS				—	—										
TF-RTC-700A-TAD-WBG-2928								850/1900/2100	GPS/AGPS				—	—										
TF-RTC-700A-TAD-WBGH-2528								—	GPS				—	—										
TF-RTC-700A-TAD-WBG-2528								850/1900/2100	GPS/AGPS				—	—										
TF-RTC-700A-TAD-WBGH-2528								—	GPS/Glonass				—	—										
TF-RTC-700A-TAD-WBG-2528								850/1900/2100	GPS/AGPS/Glonass				—	—										
TF-RTC-700A-TA-WBGH-2528								—	GPS/Glonass				—	—										
TF-RTC-700A-TA-WBG-2528								850/1900/2100	GPS/AGPS/Glonass				—	—										
TF-RTC-700A-TA-WBG-2528								—	GPS/Glonass				—	—										

RTC-700C

Part Number	CPU	System Memory	OS	Storage	Luminance	LCD Display	Touch Screen	WiFi/Bluetooth	3G Bands (MHz)	NFC (MHz)	GPS	Sensor	Camera	Battery	Expansion I/O	Size	Weight	Operating Temp.	Environment	2D Barcode Scanner
RTC-700C-TA-WBG-1201	Intel® Atom™ Processor Z2760 (1M Cache, 1.80 GHz)	2GB DDR3L	WEB.1 Industry Pro Retail	64GB eMMC	400 nits (116.75F) Sunlight Viewable	7" TFT LCD (1280 x 800)	PCT 5-point	WiFi (802.11 a/b/g/n) Bluetooth v4.0	850/1900/2100	13.56MHz (NFC-IP-1, B, ISO15693, Felica, MiFare 1k, 4k)	GPS/AGPS	1. G-sensor 2. E-Compass 3. Gyro-sensor 4. Magnetometer 5. Light sensor (ALS) 6. Vibration sensor 7. MEMS pressure sensor	1. Front: 2M, 720p 2. Rear: 6M, 1080p with auto-focus with flash	3700mAh (27.39Whr)	miniHDMI x 1 miniUSB x 1 microSD Card slot x 1 SIM Card slot x 1 mPCI-e x 1	136.6mm x 219mm x 21mm (W x L x H)	578g	-23°C ~ 55°C	MIL-STD-810G IP65	—
RTC-700C-TA-WBG-1202																136.6mm x 219mm x 37.8mm (W x L x H)	610g			Yes
RTC-700C-TA-WBGH-1101																136.6mm x 219mm x 21mm (W x L x H)	608g			—
RTC-700C-TA-WBGH-1201																136.6mm x 219mm x 21mm (W x L x H)	608g			—
RTC-700C-TA-WBGH-1202																136.6mm x 219mm x 37.8mm (W x L x H)	640g			Yes

RTC-700T

Part Number	CPU	System Memory	OS	Storage	LCD Display	Touch Screen	WiFi/Bluetooth	3G Bands (MHz)	Sensor	GPS	Camera	Battery	Expansion I/O	Size	Weight	Operation Temp	Durable	NFC (HF RFID)	Sunlight Readable
TF-RTC-700T-WBGH-1110	Intel® Atom™ Z670 1.5GHz	DDR2 1GB	Windows® 7	40GB	7" TFT LCD 1024 x 600 IPS	5 points	BT 2.1+ EDR	850/1900/2100	Light Sensor x 1 G Sensor x 1	GPS	Front: SMP	27Whr, 7.4V 3700mAh	MiniHDMI x 1, MiniUSB x 1, micro SD x 1, SIM Card x 1	218 mm x 137mm x 26mm (L x W x H)	682g	-20°C ~ 50°C	MIL-STD-810G IP 65	—	—
TF-RTC-700T-WBGH-1110																		—	—

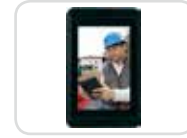
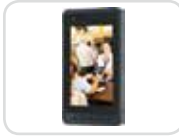
RTC-900 Series

Part Number	CPU	LCD Display	Touch Screen	System Memory	OS	WiFi	Bluetooth	3G Band (MHz)	GPS	Sensor	Camera	Display	USB	Expansion	Smart Card	SIM Card	Power	Temp	Sunlight Readable																	
RTC-900R-WBG-1110	Atom E3825 Dual Core 1.33GHz	10.1" TFT LCD	Pcap 10-point	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	850/1900/2100	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1 Vibrator x 1	Front: 1.2 MP, Real: 5MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	350 nit																	
RTC-900R-WBGH-1110																				10.1" TFT LCD	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	850/1900/2100	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1 Vibrator x 1	Front: 1.2 MP, Real: 5MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	350 nit
RTC-900R-WBG-1210																				10.1" TFT LCD	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	850/1900/2100	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1 Vibrator x 1	Front: 1.2 MP, Real: 5MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	900 nit
RTC-900R-WBGH-1210																				10.1" TFT LCD	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	850/1900/2100	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1 Vibrator x 1	Front: 1.2 MP, Real: 5MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	900 nit
RTC-900B-WBG-1110																				10.1" TFT LCD	4GB DDR3L	Windows 8.1	802.11 a/b/g/n	4.0 + EDR	—	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1	Front: 2 MP, Real: 5MP	Micro HDMI x 1	Micro USB 3.0 x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	350 nit
RTC-900B-WBGH-1110																				10.1" TFT LCD	4GB DDR3L	Windows 8.1	802.11 a/b/g/n	4.0 + EDR	—	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1	Front: 2 MP, Real: 5MP	Micro HDMI x 1	Micro USB 3.0 x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	350 nit
RTC-900B-WBG-1210																				10.1" TFT LCD	4GB DDR3L	Windows 8.1	802.11 a/b/g/n	4.0 + EDR	—	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1	Front: 2 MP, Real: 5MP	Micro HDMI x 1	Micro USB 3.0 x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	800 nit
RTC-900B-WBGH-1210																				10.1" TFT LCD	4GB DDR3L	Windows 8.1	802.11 a/b/g/n	4.0 + EDR	—	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1	Front: 2 MP, Real: 5MP	Micro HDMI x 1	Micro USB 3.0 x 1	micro SD x 1	—	1	12 V	-20°C ~ 55°C	800 nit
RTC-900B-WBG-1310																				10.1" TFT LCD	4GB DDR3L	Windows 8.1	802.11 a/b/g/n	4.0 + EDR	—	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1	Front: 2 MP, Real: 5MP	Micro HDMI x 1	Micro USB 3.0 x 1	micro SD x 1	1	1	12 V	-20°C ~ 55°C	800 nit
RTC-900B-WBGH-1310																				10.1" TFT LCD	4GB DDR3L	Windows 8.1	802.11 a/b/g/n	4.0 + EDR	—	GPS/AGPS	Light Sensor x 1 G Sensor x 1 3-axial digital gyroscope x 1	Front: 2 MP, Real: 5MP	Micro HDMI x 1	Micro USB 3.0 x 1	micro SD x 1	1	1	12 V	-20°C ~ 55°C	800 nit

RTC-1000i

Part Number	CPU	System Memory	Storage	OS	LCD Display	Power In	Touch Screen	WiFi	Bluetooth	Sunlight Readable
TF-RTC-1000i-TA-WB-2110	Intel® Core™ i7-620UE	2 GB RAM	320GB HDD	Windows® Embedded Standard 2009	10.2" 200 nits	DC19V	TS/AOT	802.11 b/g	2.1 + EDR	—
TF-RTC-1000i-TAS-WB-2110	Intel® Core™ i7-620UE	2 GB RAM	320GB HDD	Windows® Embedded Standard 2009	10.2" 500 nits	DC19V	TS/AOT	802.11 b/g	2.1 + EDR	Sunlight Readable

Selection Guide



Model		RTC-600A	RTC-700A
CPU		TI OMAP4470 1.5 GHz	NVIDIA® Tegra™ 2 1.0 GHz, Dual core CPU
Display	Size/ Type	5.7" TFT-LCD	7" TFT-LCD
	Max. Resolution	1280 x 720 pixels	1280 x 800
	Max. Colors	16M	262K
	Dot Size (mm)	—	0.117755 (H) × 0.117755 (V)
	Luminance (nits) (Typ.)	420	350 (After touch; default), 680 (After touch, sunlight readable; optional)
	Viewing Angle	Horizontal: 178°(Typ.)/ Vertical: 178° (Typ.)	Horizontal : 178° (Typ.)/Vertical: 178° (Typ.)
Display Touch	Touch Type	Projected Capacitive, Multi-Touch Panel	Projected Capacitive, Multi-Touch Panel, Gorilla glass
	Light Transmission	≥ 87%	≥ 87%
AOT		—	—
G-sensor (Screen Rotation)		G-Sensor, Light Sensor, 3-axis digital gyroscope, vibrator	G-Sensor, 3-axis digital gyroscope
Memory		LPDDR 2 1 GB SDRAM	1 GB SDRAM
Graphics Controller		CPU-Integrated	—
Storage Disk Drive		16 GB eMMC Flash	16 GB eMMC Flash
OS		Android 4.2	Android v3.2/ v4.0
I/O Port	Network (LAN)	—	—
	Wireless	WiFi 802.11 a/b/g/n + Bluetooth 3.0, 13.56 MHz NFC/RFID, 3G (Optional), 4G LTE (Optional)	WiFi (802.11 a/b/g/n) + Bluetooth v2.1 +EDR, 13.56 MHz NFC/RFID (Default), 3G (Optional), 4G LTE (Optional)
	Serial Port	—	—
	Keyboard/Mouse	—	—
	USB	USB 2.0 type A x 1, Micro USB x 1	Mini USB x 1
	Video	—	Mini HDMI x 1
	Audio	3.5 mm stereo headphone jack x 1	3.5-mm stereo headphone jack x 1
Speaker / MIC		Yes	Yes
Expansion Slot		Micro SD x 1, SIM x 1	MicroSD x 1 (Support SDHC), SIM x 1
GPS		GPS, A-GPS, GLONASS, Beidou. A-GPS only available when 3G module is eabled.	GPS, E-compass
Camera		5M Pixels with flash light	Front: 1.2MP, Rear: 5MP
Scanner		2D Scanner, support 1D	2D Scanner, support 1D
Power	Power Supply	DC jack x 1, +12V DC-input, 2A	DC jack x 1, +12V DC input
	Battery Capacity	Internal Battery/ External Battery: 7.4V, 1530mAh, 11.32 WHr Per battery	27 WHr
	Battery Life	6-8 Hours	8 Hours
Control Buttons		Front side: 3 buttons, 1 power button Side Buttons: Volume up/down buttons, 2 Scanner trigger buttons	1 Power button, 1 Scanner trigger button
Docking Connector		16-pin POGO pin, optional	10-pin POGO pin, optional
Operating Temperature		-4°F ~ 122°F (-20°C ~ 50°C) (DC-in mode) -4°F ~ 104°F (-20°C ~ 40°C) (Battery mode)	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity		10% to 95% @ 60°C, non-condensing	10 - 95 % @60°C, non-condensing
Front Panel Protection		IP65	IP65
Drop	MIL-STD-810G Method 516.6 Procedure IV	Yes	Yes
	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2	Yes	Yes
	ASTM 4169-99 Truck Assurance Level II, Schedule E	Yes	Yes
Certification	EMC	CE/FCC Class B/UL	CE/FCC-Class B/ UL/ LVD
	Safety	UL60950-1/ EN60950-1	UL60950-1/ EN60950-1
Dimension (W x H x D)		3.94" x 7.3" x 0.9" (100 mm x 185 mm x 22.3 mm)	5.38" x 8.58" x 0.83" (136.6mm x 218mm x 21mm)
Gross Weight		0.91 lb (0.43kg)	1.2 lb (0.57kg)
Color		Black	Black
Standard Accessory		AC/DC Adapter, Power Cable, User Manual	AC adapter, Power cable, User manual
Optional Accessory		USB OTG Cable, HDMI Converted cable, Vehical DC/DC adapter, Desktop/ Vehicle Docking, Carryomg Bag with Shoulder Strap.	USB OTG cable, HDMI converted cable, Vehicle DC/DC adaptor, Vehicle dock (non-chargeable), Carry bag w/ shoulder belt, Stand

Selection Guide



Model		RTC-700T	RTC-700C
CPU		Intel® Atom™ Z670 1.5 GHz	Intel® Atom™ Z2760 1.8 GHz Dual Core CPU
Display	Size/ Type	7" TFT-LCD/ 16:10	7" TFT-LCD/ 16:10
	Max. Resolution	1024 x 600	1280 x 800
	Max. Colors	262K	262K
	Dot Size (mm)	0.150 (V) x 0.15 (H)mm	0.117(W) x 0.117(H)
	Luminance (nits) (Typ.)	400	350 (After touch; default), 680 (After touch, sunlight readable; optional)
	Viewing Angle	Horizontal: 178° (Typ.)/ Vertical: 178° (Typ.)	Horizontal: 178° (Typ.)/ Vertical: 178° (Typ.)
Display Touch	Touch Type	Projected Capacitive, Multi-Touch Panel	Projected capacitive, multi-touch screen; Gorilla glass
	Light Transmission	≥ 87%	≥ 87%
AOT		—	—
G-sensor (Screen Rotation)		G-sensor, ALS sensor	G-sensor, E-Compass, Gyro-sensor, ALS sensor, MEMS sensor, Vibration sensor, Magnetometer
Memory		1 GB SDRAM	2 GB LPDDR 2
Graphics Controller		Intel® SM35	—
Storage Disk Drive		40 GB mSATA MLC	64 GB eMMC 4.4.1 (Default), Extra 32 GB miniDOM (optional)
OS		Windows® 7 (optional); WES7 (default)	Windows® Embedded 8.1 Industry Pro, Windows® Embedded 8.1 Industry Pro Retail (optional)
I/O Port	Network (LAN)	—	—
	Wireless	WiFi (802.11 b/g/n) + Bluetooth v2.1 (Default), 3G (Optional)	WiFi (802.11 a/b/g/n) + Bluetooth v4.0 (Default), 13.56MHz NFC/RFID (Default), 3G (Optional)
	Serial Port	—	—
	Keyboard/Mouse	—	—
	USB	Mini USB x 1	Mini USB x 1
	Video	Mini HDMI x 1	Mini HDMI x 1
	Audio	3.5-mm stereo headphone jack x 1	3.5-mm stereo headphone jack x 1
Speaker/ MIC		Yes	Yes
Expansion Slot		MicroSD x 1 (Support SDHC), SIM x 1	MicroSD x 1 (Support SDHC), SIM x 1
GPS		GPS	GPS, Glonass
Camera		Front: 2MP, Rear: 5MP	Front: 2MP, 720p, Rear: 8MP, 1080p HD, auto-focus with flash
Scanner		2D Scanner, support 1D	2D Scanner, support 1D
Power	Power Supply	DC jack x 1, +12V DC input	DC jack x 1, +12V DC input
	Battery Capacity	27 WHr	27WHr
	Battery Life	3.5 Hours	8 Hours
Docking Connector		—	—
Docking Connector		—	—
Operating Temperature		-4°F ~ 122°F (-20°C ~ 50°C)	-9.4°F~131°F (-23°C ~ 55°C)
Operating Humidity		10 - 95 % @60°C, non-condensing	5 - 90 % @ 50°C, non-condensing
Front Panel Protection		IP65	IP65
Drop	MIL-STD-810G Method 516.6 Procedure IV	Yes	Yes
	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2	Yes	Yes
Vibration	ASTM 4169-99 Truck Assurance Level II, Schedule E	Yes	Yes
	EMC	CE/FCC-Class B/ UL/ LVD	CE/FCC-Class B/ UL/ LVD
Certification	Safety	UL60950-1/ EN60950-1	UL60950-1/ EN60950-1
	Dimension (W x H x D)	5.38" x 8.58" x 1.02" (136.6mm x 218mm x 26mm)	5.38" x 8.58" x 0.83" (136.6mm x 218mm x 21mm)
Gross Weight	1.5 lb (0.68kg)	1.2 lb (0.57Kg)	
Color		Black	Black
Standard Accessory		AC adapter, Power cable, User manual	AC adapter, Power cable, User manual
Optional Accessory		3.5G modem module, Vehicle DC/DC adapter USB OTG Cable	USB OTG cable, HDMI converted cable, Vehicle DC/DC adaptor, Vehicle dock (non-chargeable), Carry bag w/ shoulder belt, Stand
Note		 	 

Selection Guide



Model		RTC-900R	RTC-900B	RTC-1000i
CPU		NVIDIA® Tegra™ 2 1.0 GHz, Dual core CPU	Intel® Atom™ E3825 Series Processor	Intel® Core™ i7-620UE 1.06 GHz
Display	Size/ Type	10.1" TFT-LCD/ 16:10	10.1" TFT-LCD/ 16:10	10.2" TFT-LCD/ 16:9
	Max. Resolution	1280 x 800	1280 x 800	1024 x 600
	Max. Colors	16.7M	16.7M	262K
	Dot Size (mm)	0.1695 (V) x 0.1695 (H)mm	0.1695 (V) x 0.1695 (H)mm	0.2175 (H) x 0.2175 (V)
	Luminance (nits) (Typ.)	350 (900 optional)	350 (800 optional)	200/ 500 (Optional)
	Viewing Angle	Horizontal: 178° (Typ.)/Vertical: 178° (Typ.)	Horizontal: 178° (Typ.)/Vertical: 178° (Typ.)	Horizontal: 140° (Typ.)/ Vertical: 120° (Typ.)
Display Touch	Touch Type	Projected Capacitive, Multi-Touch Panel	Projected Capacitive, Multi-Touch Panel	4-wire Resistive
	Light Transmission	87%	87%	≥ 85%
AOT		—	—	Yes
G-sensor (Screen Rotation)		G-Sensor, 3-axis digital gyroscope	G-Sensor, 3-axis digital gyroscope	Yes
Memory		1 GB SDRAM	DDR3L-1066 4 GB	DDR3, up to 6 GB
Graphics Controller		—	—	Intel® QM57
Storage Disk Drive		16 GB eMMC Flash	32 GB SSD (up to 128 GB SSD, 16 GB eMMC for optional)	2.5" SATA 320 GB HDD/ SSD (Optional)
OS		Android v4.0	Windows® Industrial Pro 8.1	WES 2009 (Default), WES 7 (Optional)
I/O Port	Network (LAN)	—	—	Gigabit Ethernet x 1
	Wireless	802.11 b/g/n, Bluetooth 2.1 + EDR, 3G (optional)	802.11 a/b/g/n, Bluetooth 4.0, 3G (optional)	802.11 b/g + Bluetooth 2.0 + EDR
	Serial Port	—	—	RS-232/422/485 x 1
	Keyboard/Mouse	—	—	Numeric Keypad + Hot Keys
	USB	Mini USB x 1	Micro USB 3.0	USB 2.0 x 2 + mini USB x 1
	Video	Mini HDMI x 1	Micro HDMI x 1	VGA
	Audio	3.5-mm stereo headphone jack x 1	3.5-mm stereo headphone jack x 1	Line-out jack x 1, MIC-in jack x 1
Speaker/ MIC		Yes	Yes	Yes
Expansion Slot		MicroSD x 1 (Support SDHC), SIM x 1	MicroSD x 1 (Support SDHC), SIM x 1	PCMCIA (Default) or Smart Card x 1, Mini-Card x 2 (Internal) (One is occupied by WiFi+BT combo module), CompactFlash™ (Default) or SDHC x 1, SIM x 1
GPS		GPS, E-compass	GPS, E-compass	Optional
Camera		Front: 1.2MP, Rear: 5MP	Front Camera: 2MP, Rear: 5MP	—
Scanner		—	—	—
Power	Power Supply	DC jack x 1, +12V DC input	DC jack x 1, +12V DC input	DC jack x 1, +19V DC input
	Battery Capacity	50Whr (6810mAh)	50Whr (6810mAh)	3S3P, 9 cells, 7800mAh
	Battery Life	10 Hours	7 Hours	5 Hours
Docking Connector		—	—	—
Operating Temperature		-4°F ~ 131°F (-20°C ~ 55°C)	-4°F ~ 131°F (-20°C ~ 55°C)	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity		10 - 95 %	10 - 95 %	5 - 95 %
Front Panel Protection		IP65	IP65	IP54
Drop	MIL-STD-810G Method 516.6 Procedure IV	Yes	Yes	Yes
	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2	Yes	Yes	Yes
Vibration	ASTM 4169-99 Truck Assurance Level II, Schedule E	Yes	Yes	Yes
Certification	EMC	CE/FCC-Class B/ UL	CE/FCC-Class B/ UL	CE/ FCC-Class B
	Safety	UL60950-1/ EN60950-1	UL60950-1/ EN60950-1	UL60950-1/ EN60950-1
Dimension (W x H x D)		10.65" x 7.42" x 0.96" (270.4mm x 188.4mm x 24.29mm)	10.65" x 7.42" x 0.96" (270.4mm x 188.4mm x 24.29mm)	10.63" x 7.24" x 1.93" (270mm x 184mm x 49mm)
Gross Weight		2.64 lb (1.2 Kg)	2.7 lb (1.24 Kg)	5 lb (2.3 Kg)
Color		Black	Black	Black
Standard Accessory		AC adapter, Power cable, User manual	AC adapter, Power cable, User manual, USB 3.0 Cable	AC adapter, Power cord, Hand strap Bumpers, Utility DVD, Stylus with tether
Optional Accessory		USB OTG Cable, Vehicle DC/DC adapter Car Mount, 3.5G Modem Module	USB 3.0 Cable, Vehicle DC/DC adapter Car Mount, 3.5G Modem Module	GPS module, 3.5G modem module Office docking station, Vehicle docking station Carry bag, Vehicle DC/DC adapter
Note		TAIWAN EXCELLENCE 2013		USB 3.0 Cable, Vehicle DC/DC adapter Car Mount, 3.5G Modem Module

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