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# 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



# 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-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/LTE (Optional), GPS/Glonass Navigation
- G-sensor, E-compass, Gyros, Vibrator Sensor
- MIL-STD-810G & IP65 Rating
- Windows® 8, 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-Polymer High-Capacity Battery, 12 Hours Battery
- Rugged, Water and Dust Proof, IP65 Compliance
- Micro SD Card Slot, 5M Pixel Rear Camera, 1.2M Pixel Front Camera
- Wi-Fi 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, up to 4GB
- 10.1" WXGA (1280 x 800) TFT LCD Display
- Projected Capacitive Multi-Touch Panel
- Li-Polymer High-Capacity Battery, 8 Hours Battery Life
- Rugged, Water and Dust Proof, IP65 Compliance
- Micro SD Card Slot, 5M Pixel Rear Camera, 1.2M Pixel Front Camera
- Wi-Fi 802.11 a/b/g/n , Bluetooth® 4.0
- G-Sensor, Light Sensor, E-compass, GPS Navigation
- Windows® 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

## RTC-1000A1/ AS

10.2" Rugged Tablet Computer



- Intel® Atom™ N270 1.6GHz Processor
- DDR2 SODIMM Socket x 1, Up To 2GB (Optional)
- 10.2" 1024 x 600 500-nit TFT LCD Sunlight Readable Display (Optional)
- Touch Screen, Advanced Optibond Technology (AOT)
- 3-Cell Smart Li-Ion High-Capacity Battery, 3-Hour Battery Life
- Rugged, Water and Dust Proof, IP54 Compliance
- PCMCIA, CompactFlash Card Sockets
- Wi-Fi 802.11 b/g + Bluetooth 2.0
- Built-in G-Sensor
- Numeric Keypad, Programmable Function Keys
- GSM/ 3G/ 3.5G (Optional), GPS (Optional)

## RTC-1000D1

10.2" Rugged Tablet Computer



- Intel® Core™ Duo U2500 1.2GHz Processor
- DDR2 SODIMM Socket x 1, Up To 2GB (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
- PCMCIA or Smart Card, CompactFlash™ Card Sockets
- Rugged, Water and Dust Proof, IP54 Compliance
- GSM/ 3G/ 3.5G (Optional), GPS (Optional)
- Built-in G-Sensor
- Wi-Fi 802.11 b/g + Bluetooth 2.0
- 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



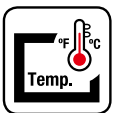
### Dust Proof

- 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

## 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



## Customized Services

- Longevity Support
- ODM Services
- Small QTY MOQ

## Available Accessories for RTC-700 & RTC-900 Series Tablets:

### Car Mount ARM



### USB OTG Cable



### Mini-USB to USB Converter



### Vehicle DC/DC Adapter

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



### Car Mount



### Carry Bag



## Available Accessories for RTC-1000 Series Tablets:

### 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-1000AS	RTC-1000A1/D1/I
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-1215CD0-C2.V0.1 [Standard]	•	•	•	•	•	—	—
2	DC-DC Adaptor	RTC-1000x	1757407201	DC to DC Car Adapter, 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	1700051000	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-1000A1/D1/I	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-OT9789666663	Car Mount, For RTC-700R & RTC-700T	•	•	•	•	•	—	—
12	Office Docking Station	RTC-1000A1/D1/I	TF-RDS-141V-0000	Docking Station, w/ Stand	—	—	—	—	—	—	•
13	Vehicle Docking Station	RTC-1000A1/D1/I	TF-RDS-141V-0002	Docking Station, wo/ Stand	—	—	—	—	—	—	•



# Selection Guide



Model		RTC-900B	RTC-900R
<b>CPU</b>		Intel® Atom™ 1.33 GHz, Dual Core CPU	NVIDIA® Tegra™ 2 1.0GHz, Dual Core CPU
<b>Display</b>	<b>Size/ Type</b>	10.1" TFT-LCD / 16:10	10.1" TFT-LCD / 16:10
	<b>Max. Resolution</b>	1280 x 800	1280 x 800
	<b>Max. Colors</b>	16.7M	16.7M
	<b>Dot Size (mm)</b>	0.1695 (V) × 0.1695 (H)mm	0.1695 (V) × 0.1695 (H)mm
	<b>Luminance (nits) (Typ.)</b>	350	350
	<b>Viewing Angle</b>	Horizontal: 178° (Typ.)/ Vertical: 178° (Typ.)	Horizontal: 178° (Typ.)/ Vertical: 178° (Typ.)
<b>Display Touch</b>	<b>Touch Type</b>	Projected Capacitive, Multi-Touch Panel,	Projected Capacitive, Multi-Touch Panel,
	<b>Light Transmission</b>	87%	87%
<b>AOT</b>		—	—
<b>G-sensor (Screen Rotation)</b>		G-Sensor, 3-axis digital gyroscope	G-Sensor, 3-axis digital gyroscope
<b>Memory</b>		DDR3L 1066, up to 4GB	1GB SDRAM
<b>Graphics Controller</b>		—	—
<b>Storage Disk Drive</b>		60GB SSD	16GB eMMC Flash
<b>OS</b>		Windows® 8.1	Android™ v4.0
<b>I/O Port</b>	<b>Network (LAN)</b>	—	—
	<b>Wireless</b>	802.11 a/b/g/n, Bluetooth 4.0, 3G (optional)	802.11 b/g/n, Bluetooth 2.1 + EDR, 3G (optional)
	<b>Serial Port</b>	—	—
	<b>Keyboard/Mouse</b>	—	—
	<b>USB</b>	Mini USB3.0 x 1	Mini USB x 1
	<b>Video</b>	Micro HDMI x 1	Mini HDMI x 1
	<b>Audio</b>	3.5-mm stereo headphone jack x 1	3.5-mm stereo headphone jack x 1
<b>Speaker / MIC</b>		Yes	Yes
<b>Expansion Slot</b>		MicroSD x 1 (Supports SDHC) SIM x 1	MicroSD x 1 (Supports SDHC) SIM x 1
<b>GPS</b>		GPS, E-compass	GPS, E-compass
<b>Camera</b>		Front: 1.2MP, Rear: 5MP	Front: 1.2MP, Rear: 5MP
<b>Power</b>	<b>Power Supply</b>	DC jack x 1, +12V DC input	DC jack x 1, +12V DC input
	<b>Battery Capacity</b>	54 WHr (7600mAh)	54 WHr (7600mAh)
	<b>Battery Life</b>	8 Hours	12 Hours
<b>Docking Connector</b>		—	—
<b>Operating Temperature</b>		-4°F ~ 122°F (-20°C ~ 50°C)	-4°F ~ 122°F (-20°C ~ 50°C)
<b>Operating Humidity</b>		10 - 95 %	10 - 95 %
<b>Front Panel Protection</b>		IP65	IP65
<b>Drop</b>	<b>MIL-STD-810G Method 516.6 Procedure IV</b>	Yes	Yes
<b>Vibration</b>	<b>MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 &amp; E-2</b>	Yes	Yes
	<b>ASTM 4169-99 Truck Assurance Level II, Schedule E</b>	Yes	Yes
<b>Certification</b>	<b>EMC</b>	CE/FCC-Class B/ UL	CE/FCC-Class B/ UL
	<b>Safety</b>	UL60950-1 / EN60950-1	UL60950-1 / EN60950-1
<b>Dimension (W x H x D)</b>		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)
<b>Gross Weight</b>		2.64lb (1.2 Kg)	2.64lb (1.2 Kg)
<b>Color</b>		Black	Black
<b>Standard Accessory</b>		AC adapter, Power cable, User manual	AC adapter, Power cable, User manual
<b>Optional Accessory</b>		USB3.0 Cable, Vehicle DC/DC Adapter Car Mount	USB OTG Cable, Vehicle DC/DC Adapter Car Mount





# Selection Guide



Model		RTC-1000AS	RTC-1000A1	RTC-1000D1	RTC-1000i
<b>CPU</b>		Intel® Atom™ N270 1.6GHz	Intel® Atom™ N270 1.6GHz	Intel® Core™ Duo U2500 1.2GHz	Intel® Core™ i7-620UE 1.06GHz
<b>Display</b>	<b>Size/ Type</b>	10.2" TFT-LCD / 16:9	10.2" TFT-LCD / 16:9	10.2" TFT-LCD/ 16:9	10.2" TFT-LCD/ 16:9
	<b>Max. Resolution</b>	1024 x 600	1024 x 600	1024 x 600	1024 x 600
	<b>Max. Colors</b>	262K	262K	262K	262K
	<b>Dot Size (mm)</b>	0.2175 (H) x 0.2175 (V)	0.2175 (H) x 0.2175 (V)	0.2175 (H) x 0.2175 (V)	0.2175 (H) x 0.2175 (V)
	<b>Luminance (nits) (Typ.)</b>	200/ 500 (Optional)	200/ 500 (Optional)	200/ 500 (Optional)	200/ 500 (Optional)
<b>Viewing Angle</b>	Horizontal: 140° (Typ.)/ Vertical: 120° (Typ.)	Horizontal: 140° (Typ.)/ Vertical: 120° (Typ.)	Horizontal: 140° (Typ.)/ Vertical: 120° (Typ.)	Horizontal: 140° (Typ.)/ Vertical: 120° (Typ.)	
<b>Display Touch</b>	<b>Touch Type</b>	4-wire Resistive	4-wire Resistive	4-wire Resistive	4-wire Resistive
	<b>Light Transmission</b>	≥ 85%	≥ 85%	≥ 85%	≥ 85%
<b>AOT</b>		Yes	Yes	Yes	Yes
<b>G-sensor (Screen Rotation)</b>		Yes	Yes	Yes	Yes
<b>Memory</b>		Max. 2GB DDR2	Max. 2GB DDR2	Max. 2GB DDR2	Max. 6GB DDR3
<b>Graphics Controller</b>		Intel® 945GSE	Intel® 945GSE	Intel® 945GME	Intel® QM57
<b>Storage Disk Drive</b>		2.5" SATA 320 GB HDD/ SSD (Optional)	2.5" SATA 320 GB HDD/ SSD (Optional)	2.5" SATA 320 GB HDD/ SSD (Optional)	2.5" SATA 320 GB HDD/ SSD (Optional)
<b>OS</b>		WES 2009 (Default), WES 7 (Optional), Linux: Ubuntu 9.04 (Optional)	WES 2009 (Default), WES 7 (Optional), Linux: Ubuntu 9.04 (Optional)	WES 2009 (Default), WES 7 (Optional), Linux: Ubuntu 9.04 (Optional)	WES 2009 (Default), WES 7 (Optional), Linux: Ubuntu 9.04 (Optional)
<b>I/O Port</b>	<b>Network (LAN)</b>	Gigabit Ethernet x 1	Gigabit Ethernet x 1	Gigabit Ethernet x 1	Gigabit Ethernet x 1
	<b>Wireless</b>	802.11 b/g + Bluetooth 2.0 + EDR	802.11 b/g + Bluetooth 2.0 + EDR	802.11 b/g + Bluetooth 2.0 + EDR	802.11 b/g + Bluetooth 2.0 + EDR
	<b>Serial Port</b>	RS-232/422/485 x 1 (for M/B A2.0)	RS-232/422/485 x 1	RS-232/422/485 x 1	RS-232/422/485 x 1
	<b>Keyboard/Mouse</b>	Numeric Keypad + Hot Keys	Numeric Keypad + Hot Keys	Numeric Keypad + Hot Keys	Numeric Keypad + Hot Keys
	<b>USB</b>	USB 2.0 x 2 + mini USB x 1	USB 2.0 x 2 + mini USB x 1	USB 2.0 x 2 + mini USB x 1	USB 2.0 x 2 + mini USB x 1
	<b>Video</b>	VGA	VGA	VGA	VGA
	<b>Audio</b>	Line-out jack x 1, MIC-in jack x 1	Line-out jack x 1, MIC-in jack x 1	Line-out jack x 1, MIC-in jack x 1	Line-out jack x 1, MIC-in jack x 1
<b>Speaker / MIC</b>		Yes	Yes	Yes	Yes
<b>Expansion Slot</b>		PCMCIA (Default) or Smart Card x 1, mini Card x 2 (Internal) (One is occupied by Wi-Fi+BT combo module), CompactFlash™ (Default) x 1, SIM x 1	PCMCIA (Default) or Smart Card x 1, mini Card x 2 (Internal) (One is occupied by Wi-Fi+BT combo module), CompactFlash™ (Default) x 1, SIM x 1	PCMCIA (Default) or Smart Card x 1, mini Card x 2 (Internal) (One is occupied by Wi-Fi+BT combo module), CompactFlash™ (Default) x 1, SIM x 1	PCMCIA (Default) or Smart Card x 1, mini Card x 2 (Internal) (One is occupied by Wi-Fi+BT combo module), CompactFlash™ (Default) or SDHC x 1, SIM x 1
<b>GPS</b>		Optional	Optional	Optional	Optional
<b>Camera</b>		—	—	—	—
<b>Power</b>	<b>Power Supply</b>	DC jack x 1, +19V DC input	DC jack x 1, +19V DC input	DC jack x 1, +19V DC input	DC jack x 1, +19V DC input
	<b>Battery Capacity</b>	3S1P, 3 cells, 3500mAh	3S3P, 9 cells, 7800mAh	3S3P, 9 cells, 7800mAh	3S3P, 9 cells, 7800mAh
	<b>Battery Life</b>	3 Hrs	7 Hrs	5 Hrs	5 Hrs
<b>Docking Connector</b>		Yes	Yes	Yes	Yes
<b>Operating Temperature</b>		-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)
<b>Operating Humidity</b>		5 - 95 %	5 - 95 %	5 - 95 %	5 - 95 %
<b>Front Panel Protection</b>		IP54	IP54	IP54	IP54
<b>Drop</b>	<b>MIL-STD-810G Method 516.6 Procedure IV</b>	Yes	Yes	Yes	Yes
<b>Vibration</b>	<b>MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 &amp; E-2</b>	Yes	Yes	Yes	Yes
	<b>ASTM 4169-99 Truck Assurance Level II, Schedule E</b>	Yes	Yes	Yes	Yes
<b>Certification</b>	<b>EMC</b>	CE / FCC-Class B	CE / FCC-Class B	CE / FCC-Class B	CE / FCC-Class B
	<b>Safety</b>	UL60950-1 / EN60950-1	UL60950-1 / EN60950-1	UL60950-1 / EN60950-1	UL60950-1 / EN60950-1
<b>Dimension (W x H x D)</b>		10.63" x 7.24" x 1.49" (270mm x 184mm x 38mm)	10.63" x 7.24" x 1.93" (270mm x 184mm x 49mm)	10.63" x 7.24" x 1.93" (270mm x 184mm x 49 mm)	10.63" x 7.24" x 1.93" (270mm x 184mm x 49mm)
<b>Gross Weight</b>		4 lb (1.8 kg)	5 lb (2.3 kg)	5 lb (2.3 kg)	5 lb (2.3 kg)
<b>Color</b>		Black	Black	Black	Black
<b>Standard Accessory</b>		AC adapter, Power cord, Hand strap Bumpers, Utility DVD, Stylus with tether	AC adapter, Power cord, Hand strap Bumpers, Utility DVD, Stylus with tether	AC adapter, Power cord, Hand strap Bumpers, Utility DVD, Stylus with tether	AC adapter, Power cord, Hand strap Bumpers, Utility DVD, Stylus with tether
<b>Optional Accessory</b>		GPS module, 3.5G modem module Office docking station, Vehicle docking station, Carry bag, Vehicle DC/DC adapter	GPS module, 3.5G modem module Office docking station, Vehicle docking station, Carry Bag, Vehicle DC/DC adapter	GPS module, 3.5G modem module Office docking station, Vehicle docking station, Carry bag, Vehicle DC/DC adapter	GPS module, 3.5G modem module Office docking station, Vehicle docking station, Carry bag, Vehicle DC/DC adapter
		TAIWAN EXCELLENCE 2010	TAIWAN EXCELLENCE 2009		

# Selection Guide



Model		RTC-700A	RTC-700T	RTC-700C
<b>CPU</b>		NVIDIA® Tegra™ 2 1.0GHz, Dual core CPU	Intel® Atom™ Z670 1.5GHz	Intel® Atom™ Z2760 1.8GHz Dual Core Processor
<b>Display</b>	<b>Size/ Type</b>	7" TFT-LCD	7" TFT-LCD / 16:10	7" TFT-LCD/ 16:10
	<b>Max. Resolution</b>	1280 x 800	1024 x 600	1280 x 800
	<b>Max. Colors</b>	16.7M	262K	16.7M
	<b>Dot Size (mm)</b>	0.117755 (H) x 0.117755 (V)	0.150 (V) x 0.15 (H)mm	0.117(W) x 0.117(H)
	<b>Luminance (nits) (Typ.)</b>	400	400	400
	<b>Viewing Angle</b>	Horizontal: 178° (Typ.)/ Vertical: 178° (Typ.)	Horizontal: 178° (Typ.)/ Vertical: 178° (Typ.)	Horizontal: 178° (Typ.)/ Vertical: 178° (Typ.)
<b>Display Touch</b>	<b>Touch Type</b>	Projected Capacitive, Multi-Touch Panel, Gorilla glass	Projected Capacitive, Multi-Touch Panel	Projected Capacitive, Multi-Touch Panel, Gorilla glass
	<b>Light Transmission</b>	≥ 87%	≥ 87%	≥ 87%
<b>AOT</b>		—	—	—
<b>G-sensor (Screen Rotation)</b>		G-Sensor, 3-axis digital gyroscope	G-Sensor	G-Sensor, 3-axis digital gyroscope
<b>Memory</b>		1GB SDRAM	1GB SDRAM	2GB LPDDR2-800MHz
<b>Graphics Controller</b>		—	Intel® SM35	—
<b>Storage Disk Drive</b>		16GB eMMC Flash	16/32/40GB mSATA MLC	64GB eMMC 4.4.1 (Default), Extra 32GB miniDOM MLC (Optional)
<b>OS</b>		Android™ V3.2/ V4.0	Windows® 7 (default); WES7 (optional)	Windows® Embedded 8 Standard (Default) Windows® Embedded 8.1 Industry Pro (Optional) Windows® Embedded 8.1 Industry Retail (Optional)
<b>I/O Port</b>	<b>Network (LAN)</b>	—	—	—
	<b>Wireless</b>	802.11 b/g/n, Bluetooth 2.1 + EDR, 3G (optional)/ NFC (13.56MHz)(Optional)	IEEE802.11 b/g/n, Bluetooth 2.1 + EDR	Bluetooth v4.0, Wi-Fi (802.11 a/b/g/n), NFC/ RFID (13.56MHz), 3G (Optional), 4G/LTE (Optional)
	<b>Serial Port</b>	—	—	—
	<b>Keyboard/Mouse</b>	—	—	—
	<b>USB</b>	Mini USB x 1	Mini USB x 1	Mini USB x 1
	<b>Video</b>	Mini HDMI x 1	Mini HDMI x 1	Mini HDMI x 1
	<b>Audio</b>	3.5-mm stereo headphone jack x 1	3.5-mm stereo headphone jack x 1	3.5-mm stereo headphone jack x 1
<b>Speaker / MIC</b>		Yes	Yes	Yes
<b>Expansion Slot</b>		MicroSD x 1 (Support SDHC), SIM x 1	MicroSD x 1 (Support SDHC), SIM x 1	MicroSD x 1 (Support SDHC), SIM x 1
<b>GPS</b>		GPS, E-compass	GPS	GPS, Glonass
<b>Camera</b>		Front: 1.2MP Rear: 5MP	Front: 2MP Rear: 5MP	Front: 2MP, 720p Rear: 8MP, 1080p, Auto-focus with flash
<b>Power</b>	<b>Power Supply</b>	DC jack x 1, +12V DC input	DC jack x 1, +12V DC input	DC jack x 1, +12V DC input
	<b>Battery Capacity</b>	27 WHr	27 WHr	27 WHr
	<b>Battery Life</b>	8 Hours	4~6 Hours	8 Hours
<b>Docking Connector</b>		—	—	—
<b>Operating Temperature</b>		-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-9.4°F ~ 131°F (-23°C ~ 55°C)
<b>Operating Humidity</b>		10 - 95 % @60°C, non-condensing	10 - 95 % @60°C, non-condensing	5 - 90 % @50°C, non-condensing
<b>Front Panel Protection</b>		IP65	IP65	IP65
<b>Drop</b>	<b>MIL-STD-810G Method 516.6 Procedure IV</b>	Yes	Yes	Yes
<b>Vibration</b>	<b>MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 &amp; E-2</b>	Yes	Yes	Yes
	<b>ASTM 4169-99 Truck Assurance Level II, Schedule E</b>	Yes	Yes	Yes
<b>Certification</b>	<b>EMC</b>	CE/FCC-Class B/ UL/ LVD	CE/FCC-Class B/ UL/ LVD	CE/FCC-Class B/ UL/ LVD
	<b>Safety</b>	UL60950-1 / EN60950-1	UL60950-1 / EN60950-1	UL60950-1 / EN60950-1
<b>Dimension (W x H x D)</b>		5.38" x 8.58" x 0.83" (136.6mm x 218mm x 21mm)	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)
<b>Gross Weight</b>		1.2 lb (0.57kg)	1.5 lb (0.68kg)	1.2 lb (0.57kg)
<b>Color</b>		Black	Black	Black
<b>Standard Accessory</b>		AC adapter, Power cable, User manual	AC adapter, Power cable, User manual	AC adapter, Power cable, User manual
<b>Optional Accessory</b>		USB OTG Cable, HDMI Converted Cable, Vehicle DC/ DC adapter, Vehicle dock (non-chargeable), Carry bag w/ shoulder belt, Stand	3.5G Modem Module, Vehicle DC/DC Adapter USB OTG Cable	USB OTG Cable, HDMI Converted Cable, Vehicle DC/ DC adapter, Vehicle dock (non-chargeable), Carry bag w/ shoulder belt, Stand

