



Mobile Computing Solutions



GSA Contract Holder
GS-35F-0470Y

Focus • Agility • Competitiveness



Mobile Computing Solutions



Introduction

Intelligent technology is perhaps one of the trendiest topics in the current IT world. And as technologies continue to mature, more and more applications become candidates for getting an "intelligent" facelift, while existing ones build on their offerings for more sophisticated features that were once deemed "impossible" to accomplish.

Mobile Computing has come a long way since the invention of the first portable computer and with the introduction of 3G and 4G networks in the 21st century, it has gained much prominence in almost every aspect of our lives. As their deployment expands, the tasks of making them conducive for outdoor use and reinforcing them to withstand the harshest environments, such as battlefields, warehouses and in-vehicle applications, it becomes imminent, the ushering in of "Mobile Computing Solutions".

Telemedicine



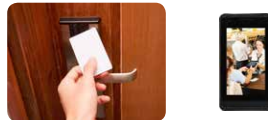
Hospitality



Parking Management



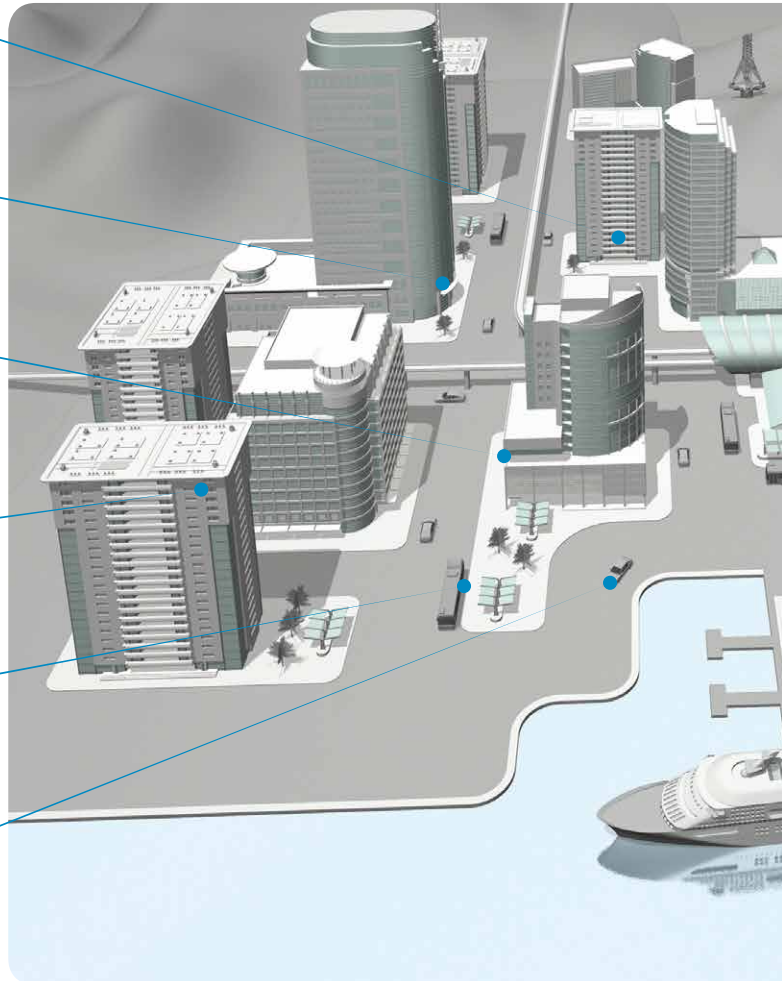
Home Automation

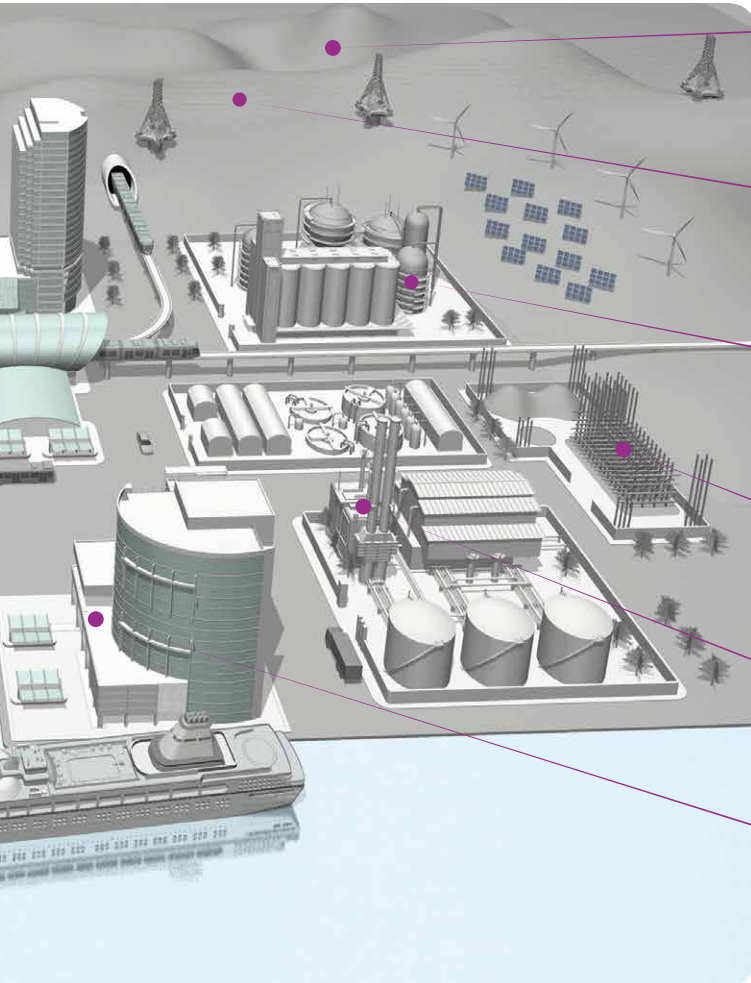


e-Ticketing



Fleet Management





Aerial Photography



Heavy-duty Machinery



Factory Automation



Construction



Field Inspection

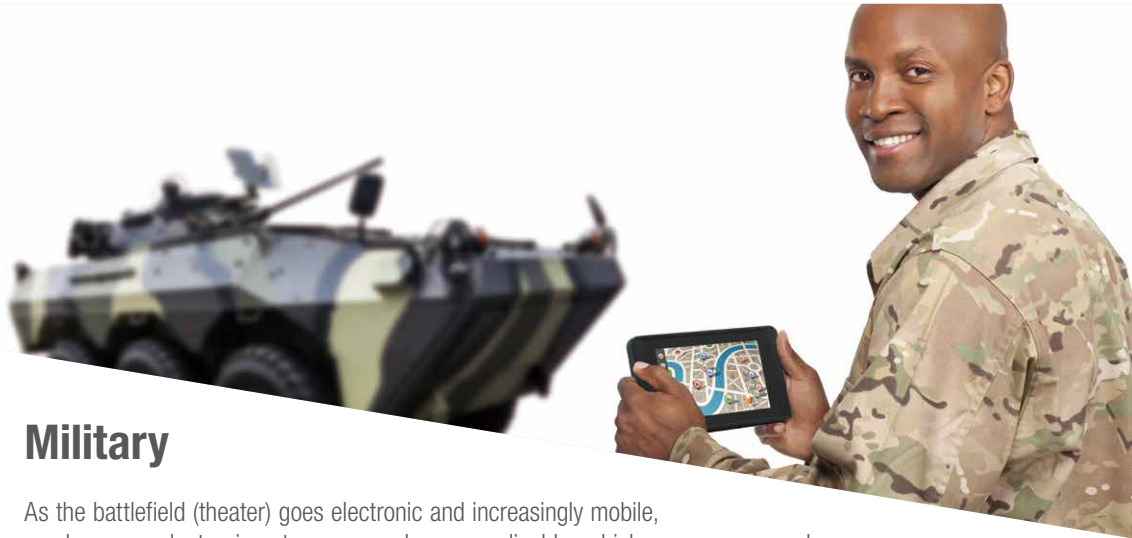


Logistic/Warehouse Management





Military



Military

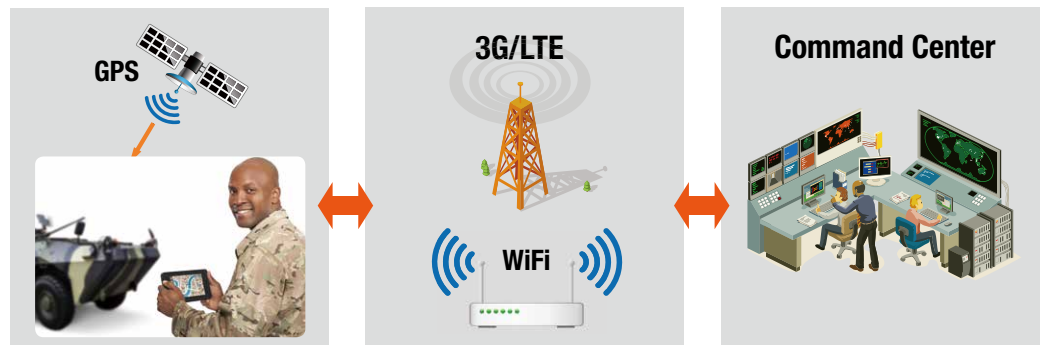
As the battlefield (theater) goes electronic and increasingly mobile, cumbersome electronic setups are no longer applicable, which can occur anywhere from urban areas to the desert, calling for a new class of ruggedly built mobile computing systems.

With MIL-STD-810G-compliant, IP65-rated enclosures, the sturdy RTC-1000, RTC-900 and RTC-700 rugged tablet series deliver the strength and durability needed for rough handlings in these hostile environments. Its sunlight readable, Gorilla Glass screens, ranging from 7" to 10.2", provide the perfect display solution out in the field. Select models offer CAC Reader option.

In addition, with various communication features such as GPS, WiFi, Bluetooth, and 3G/4G, these tablets are ideally suited for real-time command and control applications.

Requirements

- IP65-rated
- MIL-STD-810G-compliant
- Sunlight readable screens
- Excellent wireless communications
- Long battery life
- Lightweight





Field Service

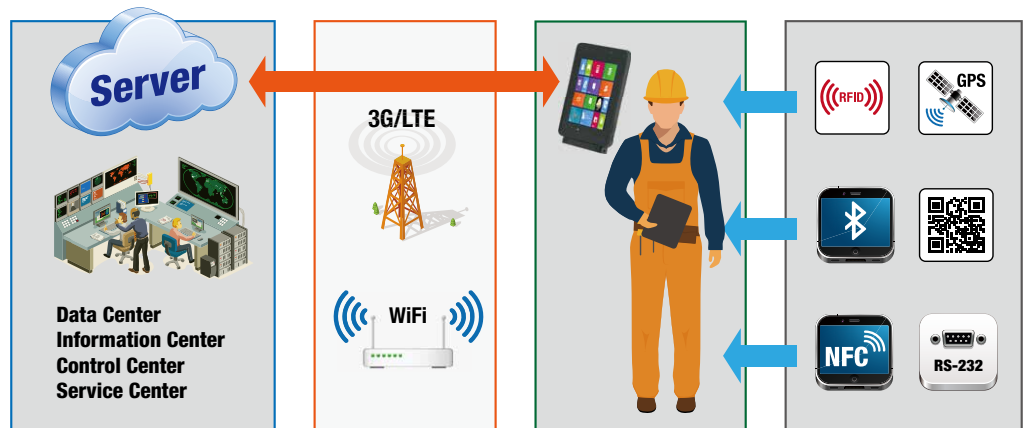
One of the tasks that benefit greatly from the advent of mobile computing and telecommunication technologies is field inspection, a nearly outdoor-exclusive task.

Commonly deployed for field work, the RTC-600 and RTC-700 rugged tablet series offer all-important sunlight readable screens, enabling contents to be read even under the brightest sun conditions. The enclosures are also rated IP65 to ensure that dust, sand and water, elements most commonly encountered during field work, do not intrude and damage the devices.

These Industrial grade tablets include features such as E-Compass, GPS and 3G/4G connectivity, so that orientation can be quickly identified for both positioning and land surveying purposes. In addition, the device's 5MP camera further supports photographic and video capabilities for high-resolution data capture.

Requirements

- Sunlight readable screens
- Vibration/ water-resistant
- Excellent wireless communications
- Long battery life





Fleet Management



Fleet Management

Today, as computing intelligence migrates into the in-vehicle space, it is vital for hardware to adapt to the ever-changing in-vehicle conditions to promote better routing for the fleets utilizing these computer systems.

MIL-STD-810G-compliant, the RTC-700 and RTC-900 rugged tablet series are built sturdy to withstand shock and vibration during any road trip condition. They are also equipped with a wide array of wireless technologies, such as 3G/4G, WiFi, Bluetooth® and GPS, for instantaneous communications and positioning, allowing real-time management of fleets and re-routing of vehicles by the control center. Drivers can also upload and retrieve information pertaining to their tasks, on the fly.

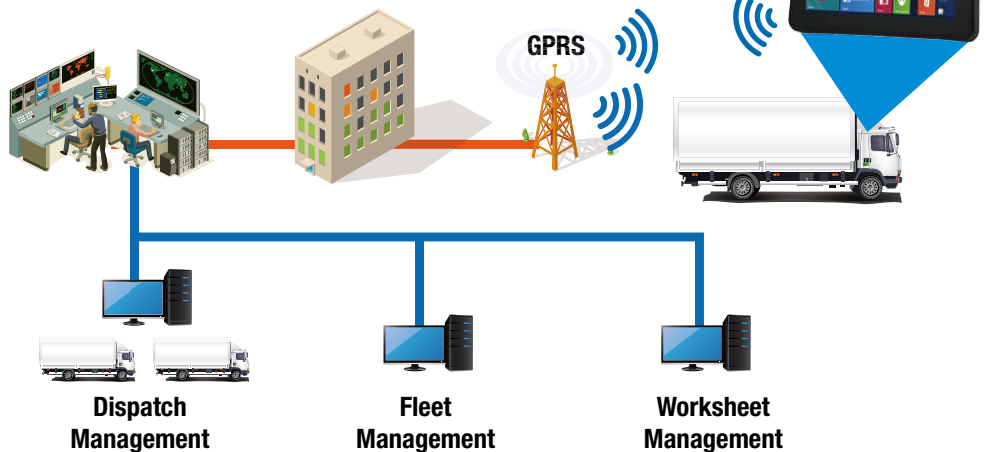


Requirements

- Sunlight readable screens
- Vibration resistant
- Excellent wireless communications
- Voltage-tolerant for vehicle electrical supply

Service Center

Telecom Server Center



Law Enforcement



Law Enforcement

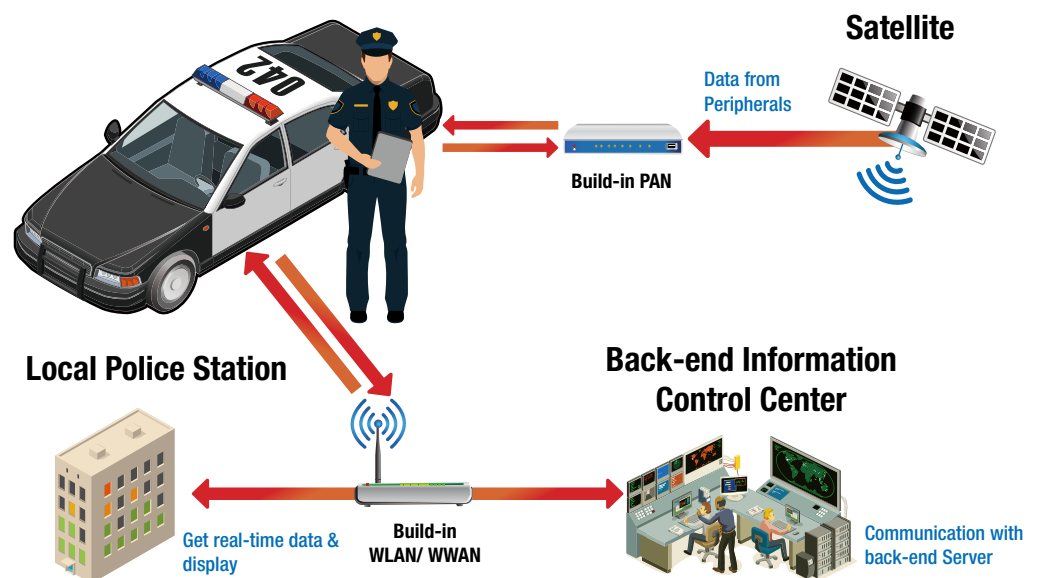
Keeping a city free of crime is the duty of every law enforcement agency. To accomplish this, not only do these agencies need a strong team of officers and law enforcement personnel, but also an equally tough set of hardware solutions.

The RTC-600, RTC-700 and RTC-900 rugged tablet series feature many rugged characteristics for common deployment and strength against adverse weather and rough handling, including sunlight readable displays, Gorilla Glass screens ranging from 5.7" to 10.1", IP65 rated enclosures and swappable batteries capable of lasting up to 8 hours.

In addition, with WiFi, 3G/4G, Bluetooth® and GPS capabilities, wireless communication with police headquarters can easily be established for instant data transfer, vehicle positioning, expediting critical investigations and daily law enforcement.

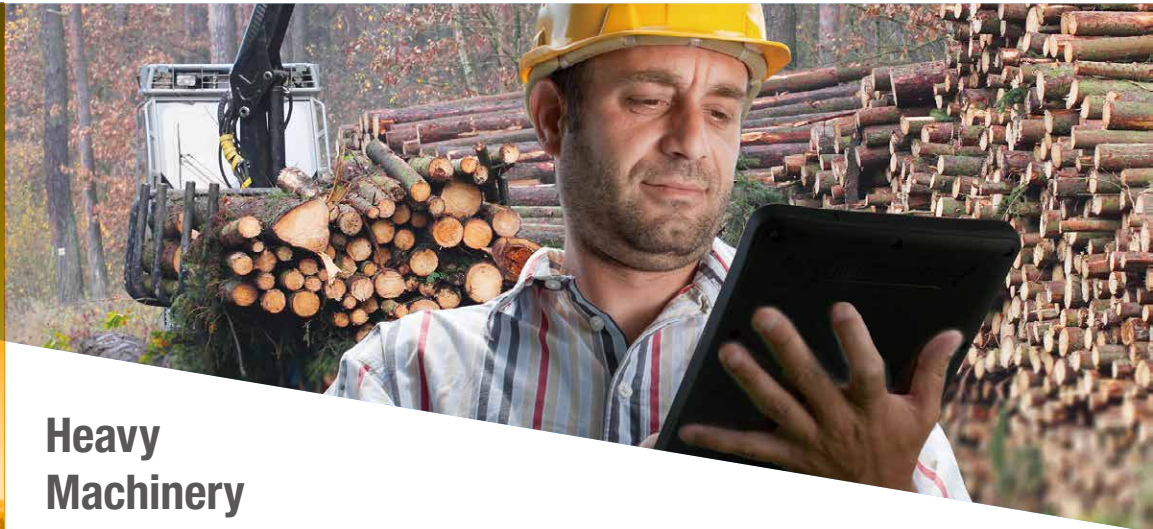
Requirements

- Sunlight readable screens
- Vibration/ water resistant
- Excellent wireless communications
- Long battery life
- Lightweight





Heavy Machinery



Heavy Machinery

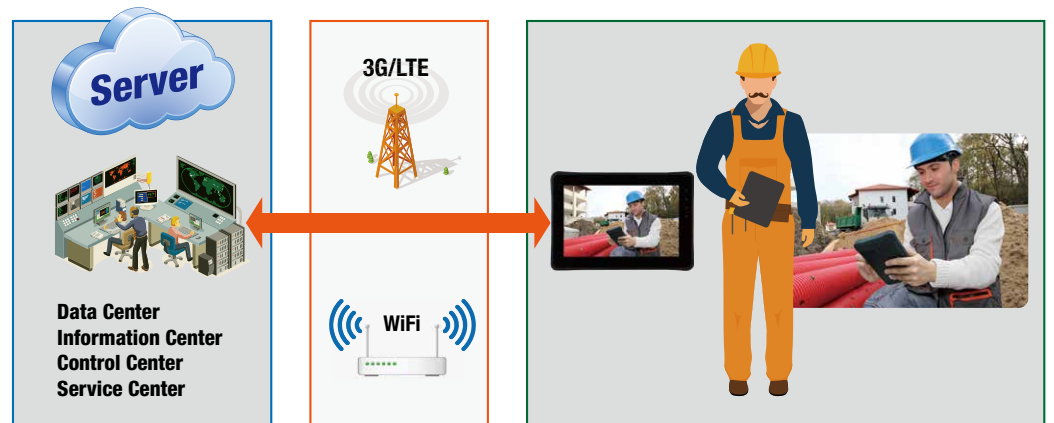
For applications associated with heavy machinery, such as excavators and farming equipment, more than ruggedness, mobile devices need functions and intricacies that provide a complete solution to problems commonly associated with such machinery.

Equipped with IP54 and IP65-rated enclosures, the RTC-1000, RTC-900 and RTC-700 rugged tablet series are well-protected against sand, dust and water, elements prevalent in construction sites where most heavy equipment is deployed. Touchscreens in sizes ranging from 7" to 10.2" with AOT™ (Advanced Optibond Technology) and sunlight readable technology offer improved display under extreme lighting conditions. A variety of wireless options (3G/ 4G/ WiFi/ Bluetooth®/ GPS) are also available for instantaneous communications.

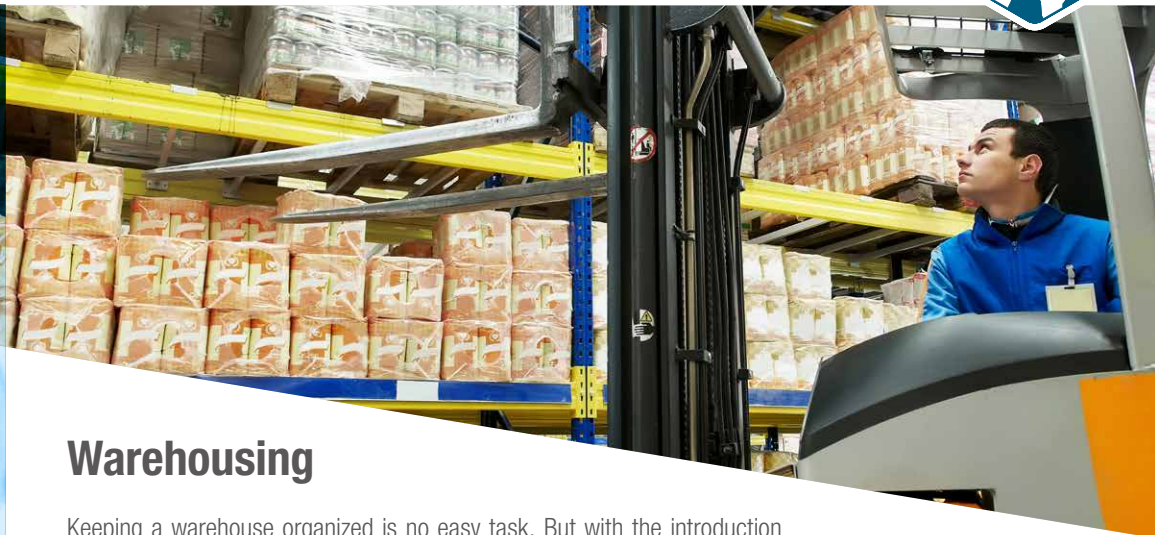
For the RTC-1000i series, mechanical controls are also featured with programmable buttons and a stylus, allowing users with gloves or other protective garments on to operate the device without removing them.

Requirements

- Sunlight readable screens
- Vibration/ water resistant
- Excellent wireless communications
- Long battery life
- Lightweight
- Mechanical control



Warehousing



Warehousing

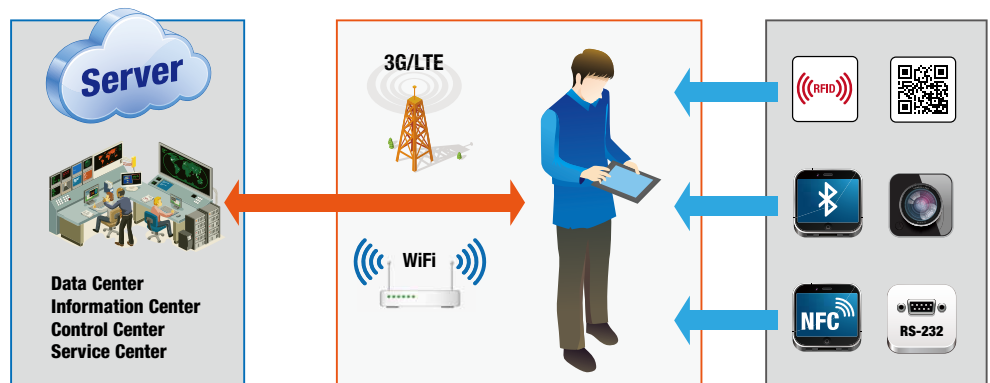
Keeping a warehouse organized is no easy task. But with the introduction of information and mobile technologies, integrating tablets with computer systems for real-time data capture is now nothing more than a few taps on a screen.

Built to withstand dusty warehouse environments, the RTC-600 and RTC-700 rugged tablet series utilize IP65-rated enclosures that prevent both solid and liquid intrusion. In addition, they are MIL-STD-810G-compliant for resistance against shock and vibration, providing protection against accidental drops and other mishandlings.

The tablets are further supported with a variety of accessories ideally suited for managing inventories, such as barcode scanners for instant information retrieval. The tablets also incorporate built-in high resolution cameras for visual identification, when required. Captured information can then be sent wirelessly via WiFi, 3G/4G, GPS and Bluetooth® to the control center for further processing.

Requirements

- Vibration/ water resistant
- Excellent wireless communications
- Long battery life
- Lightweight
- Accessories for expanded functionalities





E-POS



E-POS

Besides fast and flexible software, it is also crucial that the weight, level of ruggedness, long-term usability and battery life of a mobile device meet certain requirements in order to be qualified for POS usage applications.

Weighing in at no more than 0.6kg, the RTC-700 rugged tablet series equips a sunlight readable 5.7" Gorilla Glass screen to prepare it for all lighting conditions and rough handling, while its IP65-rated enclosure protects it from intrusion of small foreign objects or agents, likely to occur in restaurants and eateries.

The device is also designed with a swappable battery and an external docking station, increasing battery life and mobility. In addition, along with wireless connectivity, there are a variety of accessories, including a barcode scanner and a magnetic stripe reader for expanded applications.

Requirements

- Accelerates service time
- Sunlight readable screens
- Customizable apps for menus, communications, etc
- Vibration/ water resistant
- Excellent wireless communications
- Lightweight
- Accessories for expanded functionalities





E-Ticketing

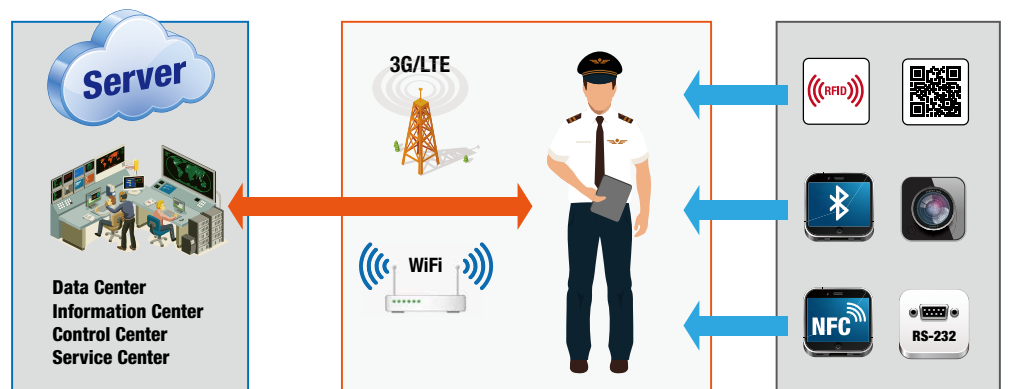
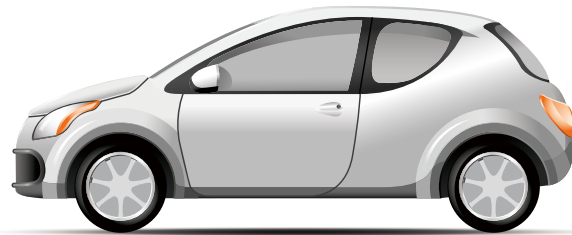
From train conductors to police officers, the issuing and checking of tickets are no longer a tedious and manual affair. Using mobile technology, these tasks have become faster and easier while greatly reducing room for error.

Built for ruggedness and mobility, the lightweight RTC-600 and RTC-700 tablet series equip 5.7" and 7" Gorilla Glass touchscreens respectively and IP65-rated enclosures that prepare and protect the devices from rough handling and foreign object intrusion. Furthermore, all devices are MIL-STD-810G compliant for protection against vibration-prone environments, such as in-vehicle applications.

With support for WiFi, 3G/4G, GPS and Bluetooth®, instant data upload and retrieval, paramount in train conductor and police work, is possible. The devices are also compatible with a variety of optional accessories, such as docking stations and barcode readers to further enhance its functionality. For example, train tickets can be checked in a matter of seconds via barcode scanner.

Requirements

- Sunlight readable screens
- Vibration resistant
- Excellent wireless Communications
- Long battery life
- Lightweight
- Accessories for expanded functionalities





Featured Products

RTC-600A

ARM-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, Gorilla Glass
- WiFi 802.11 b/g/n, Bluetooth® 3.0 + EDR
- Dual Li-Polymer High-Capacity Batteries, 8 hours battery life
- IP67-rated Enclosure
- 3G/LTE, RFID/NFC, 1D/2D Scanner Modules
- G-Sensor, Light Sensor, E-Compass/ Vibration Motor
- High Accuracy GPS/GLONASS Module
- Android™ 4.2
- Optional Sunlight Readable Screen
- Optional accessories: Magnetic Stripe Reader, Smart Card Reader, Docking Station

RTC-700A

ARM-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
- WiFi 802.11 b/g/n , Bluetooth® 2.1+ EDR/ 4.0, Optional 3G/ LTE, Optional NFC/ RFID
- Projected Capacitive Gorilla Glass Multi-Touch Panel
- Li-Polymer High-Capacity Battery, 8 hours battery life
- IP65-rated Enclosure
- Micro SD Card Slot, 5M Pixel Camera
- G-Sensor, Light Sensor, E-Compass, GPS Navigation
- Android 3.2/4.0
- Optional Sunlight Readable Screen
- Optional Accessories: 1D/2D Barcode Scanner, Magnetic Stripe Reader, Smart Card Reader, Docking Station

RTC-700B

Windows-based 7" x86 Rugged Tablet Computer



- 7" WXGA (1280 x 720) TFT LCD Display, 400 nits
- Intel® Atom™ x5-Z8350 CHT-T3 Quad Core 1.92 GHz Processor
- DDR3L-RS 1600 2GB
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Extended Battery Swappable, MIL-STD 810G, IP65 Compliant
- GPS/GLONASS Simultaneously
- WiFi a/b/g/n, BT4.0
- 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
- Optional Sunlight Readable 680 nits Screen
- Windows® 10, Android™ 5.0

RTC-700M

ARM-based 7" Rugged Tablet Computer



- TI® OMAP™ 4470 1.5GHz Dual Core Processor
- 7" WXGA (1280 x 720) TFT LCD Display, 400 nits, 680 nits (Optional)
- LP 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, BT3.0
- 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 4.2

RTC-700C

Windows-based 7" x86 Rugged Tablet Computer



- Intel® Atom™ Z2760 1.8GHz Dual Core Processor
- LPDDR2-800MHz, 2GB
- Anti-scratch 7" (1280 x 800) TFT LCD Display
- 5 Points Multi-touch Screen
- WiFi 802.11 b/g/n, Bluetooth v4.0, NFC/RFID (HF), 3G (Optional), GPS/Glonass Navigation
- Long Battery Life (Up to 8 hours battery life)
- MIL-STD-810G-compliant, IP65-rated Enclosure
- G-Sensor, E-Compass, Gyros
- Windows® 8.1
- Optional Sunlight Readable Screen
- Optional Accessory: 1D/2D Barcode Scanner, Magnetic Stripe Reader, Smart Card Reader, Docking Station

RTC-900R

ARM-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, 900 nits (optional)
- Projected Capacitive Multi-Touch Panel
- WiFi 802.11 b/g/n , Bluetooth® 2.1 + EDR
- Li-Ion High Capacity Battery, 10 hours battery life
- IP65-rated Enclosure
- Micro SD Card Slot, 5M Pixel Rear Camera, 1.2M Pixel Front Camera
- G-Sensor, Light Sensor, E-Compass, GPS Navigation
- Android 4.0

RTC-900B

Windows-based 10" x86 Rugged Tablet Computer



- Intel® Atom™ 1.33 E3825 GHz Dual Core Processor
- DDR3L 1066 4GB, up to 8GB
- 10.1" WXGA (1280 x 800) TFT LCD Display, 800 nits (optional)
- Projected Capacitive Multi-Touch Panel
- WiFi 802.11 a/b/g/n, Bluetooth® 4.0
- Li-ion high capacity battery for up to 7 hours battery life
- IP65-rated Enclosure
- Micro SD Card Slot, 5M Pixel Rear Camera, 2M Pixel Front Camera
- 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 2GB
- Touch Screen with Advanced Optibond Technology (AOT™)
- WiFi 802.11 b/g + Bluetooth® 2.0
- 9-Cell Smart Li-Ion high capacity battery for up to 5 hours battery life, IP54-rated Enclosure
- PCMCIA or Smart Card, CompactFlash™ Card or SD Card Sockets
- G-Sensor
- Numeric Keypad, Programmable Function Keys
- Optional 10.2" 1024 x 600 500-nit TFT LCD Sunlight Readable Display
- Optional SODIMM Socket x 1 (Up To 6GB)
- Optional GSM/ 3G/ 3.5G, GPS module

RTC-1200SK

11.6" Windows-based Rugged Tablet Computer



- 6th Generation Intel® Core™ i3-6100U 2.3 GHz
- One DDR3L SODIMM Socket, up to 8 GB
- 11.6" 1920 x 1080 Full HD TFT LCD with Sunlight Readable Screen
- Projected capacitive, multi-touch panel
- WiFi (802.11 a/b/g/n), Bluetooth® 4.0
- Two hotswappable Li-Ion batteries (2200mAh x 2), support up to 8 Hours
- MIL-STD-810G-compliant, IP65-rated Enclosure
- 5M Pixel Rear Camera, 2M Pixel Front Camera
- G-Sensor, E-Compass, Gyros, GPS Navigation
- Windows® Embedded Standard 7, 8.1



Fully-Rugged Design



Water Resistant

- IEC 60529
- IPx5 standard



Drop Test

- MIL-STD-810G Method 516.6 Procedure IV



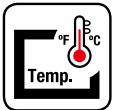
Dust Proof

- IEC 60529
- IP6x 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 Application



Sunlight Readable LCD

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



Ambient Light Sensor

- Power savings in dark environments
- Detects light and brightness



AOT™ (Advanced Optibond Technology)

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



Without AOT™ With AOT™



Long Battery Life

- Hot-swappable batteries design

Built-in Versatile Sensors



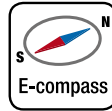
GPS

- Stand-alone GPS Navigation module



G Sensor

- Gravity sensor



E-Compass

- Electronic compass



Gyro Sensor

- Electronic gyroscopes

Wireless Communication



3G/4G

- HSPA+/UMTS/WCDMA



Bluetooth®

- 2.1/3.0/4.0



WiFi

- a/b/g/n



NFC

- 13.56MHz Near Field Communication



RFID

- 13.56MHz Radio Frequency Identification





Accessories

RTC-600 Series :

RDS-1210

- Desktop/Vehicle docking station



RDS-0040

- 4-bay Charger



9789600A00

- Battery



219600A00

- Carry bag



Integrated Accessory Options

- Magnetic Stripe Reader (MSR)
- 1D/2D Barcode Reader
- Smart Card Reader (Common Access Card)
- Docking Station
- Communication and I/O Module (Ethernet, RS-232 and USB)



Accessory Part Numbers

Item	Type	Product	AAEON P/N	Description	RTC-600A	RTC-700A	RTC-700B	RTC-700M	RTC-700C	RTC-900R	RTC-900B
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-1215CDD0-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	1700051000	USB Cable (Client to PC)	●	●	●	●	●	●	●
6	Carry Bag	RTC-700C	219700C001	(TF)Carry Bag, RTC-700C, Dawin, Leather, Black	—	—	—	—	—	—	—
7	Carry Bag	RTC-700A	2192619062	Carry Bag w/ Shoulder Belt	—	—	—	—	—	—	—
8	Carry Bag	RTC-900	AP-0T2169202168	RTC-900R Carry Bag	—	—	—	—	—	●	●
9	Car Mount	RTC-700x/900x	AP-0T9789666663	Car Mount, For RTC-700R & RTC-700T	—	●	●	●	●	●	●
10	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	—	—	—	—	—	—	—
11	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	—	—	—	—	—	—	—
12	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	—	—	—	—	—	—	—
13	power cord (US type: std packing)	RTC-700x/600A	1702031830	(TF)Power Cable.YP-12 3PYC-14 3P.183cm.for USA	●	●	●	●	●	●	●
14	power cord (EU type)	RTC-700x/600A	1702031831	(TF)Power Cable.YP-22 3PYC-14 3P.183cm.for European	●	●	●	●	●	●	●
15	Carry Bag	RTC-600A	219600A000	Carry Bag, RTC-600A, Dawin, PU Black	●	●	●	●	●	●	●
16	7" Docking Station	RTC-700x	TF-RDS-0310-0000	Docking Station, w/Stand, COMx1, USBx4, LANx1, For RTC-700 Series	●	●	●	●	●	●	●
17	7" Docking Station without stand	RTC-700x	TF-RDS-0310-0002	Docking Station, w/o Stand, COMx1, USBx4, LANx1, For RTC-700 Series	—	—	—	—	—	—	—
18	7" Hand-strap	RTC-700B/M	97597008000	TBC	—	—	—	—	—	—	—
19	5.7" Docking Station	RTC-600A	RDS-1210-0000	Docking Station, w/Stand, COMx1, USBx4, LANx1, For RTC-600 Series	●	—	—	—	—	—	—
20	Battery charger	RTC-700M/B/RTC-600A	RDS-0040-0000	4-Bay Battery Charger, For RTC-600/700 series, Battery No.9789600A00	●	—	—	—	—	—	—
21	Swappable Battery	RTC-700M/B/RTC-600A	9789600A00	(TF)Li-Ion polymer, Battery Module, 251P, 7.4V, 1530mAh, US454261A8TS, hard-pack, Getac, BP-RTC600H-21/1530SN, (S41386230001)	●	—	—	—	—	—	—
22	MSR Module	RTC-700x	PER-A139	MSR Module for RTC-700 Series, Generic	—	●	●	●	●	—	—
23	MSR+SCR Module	RTC-700x	PER-A140	MSR+SCR Module for RTC-700 Series, Generic	—	●	●	●	●	—	—
24	I/O module	RTC-700x	PER-A141	I/O Module, COMx1, USBx1, LANx1	—	●	●	●	●	—	—
25	Portable Stand with 360 rotative holder	RTC-700x/600A	9789700A01	(TF)Portable Stand of RTC-700A, Generic	—	●	●	●	●	—	—
26	Desktop Stand with 360 rotative stable station	RTC-700x/600A	9789700A02	(TF)Desk Stand of RTC-700A, Generic	●	●	●	●	●	—	—
27	Portable Stand with 360 rotative holder (ring hand strap included)	RTC-700x/600A	9789700A03	(TF)Portable Stand of RTC-700A, Ring Hand Strap, Generic	—	●	●	●	●	—	—

RTC-700 & RTC-900 Series:

RDS-0310 For RTC-700 Series

- Desktop docking station
- 12V DC Input
- USB 2.0 x 4, RJ-45 x 1
- Micro HDMI x 1, RS-232 x 1
- Power Indicator



RDS-0310 For RTC-900B

- Front: USB2.0 x 2
- Rear: USB3.0 x 2, Ethernet, COM x 1, DC-in x 1



Car Mount



USB OTG Cable



Mini-USB to USB Cable



Vehicle DC/DC Adaptor

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



Tablet Bag



RTC-1000 Series:

GPS Kit

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



Desktop/ Wall-Mountable Docking Station

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



3G Kit

- GSM, GPRS, EDGE
- WCDMA/ HSDPA/ HSUPA



Vehicle Adaptor

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



Tablet Bag



Customized Services

- Longevity Support
- ODM Services
- Small QTY MOQ

Ordering Information



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	Docking
RTC-600A-TAD-WBGH-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 ~ 50°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 490g	-20°C ~ 50°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 ~ 50°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-WBGH-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 ~ 50°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-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 ~ 50°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-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-WBG-210								—	GPS				—	L219.4 x W135.58 x H 21.2 mm	578g									
TF-RTC-700A-TAS-WBGH-1111								850/1900/2100	GPS/ AGPS	Light Sensor x 1	Front: 1.2MP Back: 5MP	27 Whr 7.4V 3700 mAh	MiniHDMI x 1, MiniUSB x 1, micro SD x 1, SIM Card x 2	L219.4 x W135.58 x H 21.2 mm	630g		Meet IEC 60529 IP65 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	—	—	680nits	—	—	—	
TF-RTC-700A-TAS-WBG-1111	TEGRA 2 1.0 GHz	7" TFT LCD	Pcap 10-point	LPDDR2 1GB	16GB eMMC Flash	Android 4.0	802.11 b/g/n + BT2.1 + EDR	—	GPS	G Sensor x 1 3-axis digital groscope x 1 Vibrator x 1	Front: 1.2MP Back: 5MP	27 Whr 7.4V 3700 mAh	MiniHDMI x 1, MiniUSB x 1, micro SD x 1, SIM Card x 3	L219.4 x W135.58 x H 21.2 mm	600g	-20°C ~ 60°C			680nits	—	—	—	Yes	
TF-RTC-700A-TAD-WBG-2328								—	GPS				—	L219.4 x W135.58 x H 21.2 mm	670g									Yes
TF-RTC-700A-TAD-WBGH-2928								850/1900/2100	GPS/ AGPS				—	L240 x W135.58 x H 21.2 mm	795g						Yes	Yes	Yes	

RTC-700B

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-700B-TAD-WBGH-1101	Intel® Atom™ x 5-Z8300 CHT-T3 Quad Core 1.92 GHz Processor	7" TFT LCD	Pcap 10-point	DDR3L-RS 1600 2GB	64GB Flash eMMC	Windows® 10	802.11 a/b/g/n + BT4.0 + EDR	850/1900/2100	GPS/ Glonass/ AGPS*	Light Sensor x 1, G Sensor x 1, 3-axis digital groscope x 1, Vibrator x 1	Front: 2MP, Back: 8MP	Dual-Battery, Internal: 7.4V, 1530mAh, External: 7.4V, 1530mAh	USB A x 1, MiniUSB x 1, USB C x 1, micro SD x 1, SIM Card x 1	L219.4 x W135.58 x H 21.2 mm, 640g	-20°C ~ 50°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-700B-TAD-WBGH-1102	Intel® Atom™ x 4470 1.5GHz Dual Core Processor	7" TFT LCD	Pcap 10-point	DDR3L-RS 1600 2GB	64GB Flash eMMC	Windows® 10	802.11 a/b/g/n + BT4.0 + EDR	850/1900/2100	GPS/ Glonass/ AGPS*	Light Sensor x 1, G Sensor x 1, 3-axis digital groscope x 1, Vibrator x 1	Front: 2MP, Back: 8MP	Dual-Battery, Internal: 7.4V, 1530mAh, External: 7.4V, 1530mAh	USB A x 1, MiniUSB x 1, USB C x 1, micro SD x 1, SIM Card x 1	L219.4 x W135.58 x H 21.2 mm, 655g	-20°C ~ 50°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

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-WBGH-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 x 1, G Sensor x 1, 3-axis digital groscope x 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 21.2 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-WBGH-5102	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 x 1, G Sensor x 1, 3-axis digital groscope x 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 21.2 mm, 655g	-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-WBG-5100	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*	—	GPS/ Glonass/ AGPS	Light Sensor x 1, G Sensor x 1, 3-axis digital groscope x 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 21.2 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
RTC-700M-TAD-WBGH-5100	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 + BT3.1 + EDR	850/1900/2101	GPS/ Glonass/ AGPS	Light Sensor x 1, G Sensor x 1, 3-axis digital groscope x 1, Vibrator x 1	Back: 6MP	Dual-Battery, Internal: 7.4V, 1530mAh, External: 7.4V, 1530mAh	MiniHDMI x 1, MiniUSB x 1, microSD x 1, SIM Card x 2	L219.4 x W135.58 x H 21.2 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



Ordering Information

RTC-700C

Part Number	CPU	System Memory	OS	Storage	Luminance	LCD Display	Touch Screen	WiFi/Bluetooth	3G Bands (MHz)	NFC (HF)	GPS	Sensor	Camera	Battery	Expansion I/O	Size	Weight	Operating Temp.	Environment	BCR	MSR/SCR	Docking
RTC-700C-TA-WBG-1201	Intel® Atom™ Processor Z2760 (1M Cache, 1.80 GHz)	2GB DDR3L	WEB 1.0 Industry Pro	64GB eMMC	400 nits (116.75FL)	7" TFT LCD (1280 x 800)	PCT 5-point	WiFi (802.11 a/b/g/n) Bluetooth v4.0	—	13.56MHz (NFC-IP-1, ISO14443 TypeA/B, ISO15693, Felica, Mifare 1k,4k)	GPS, Glonass, AGPS* is enabled with 3G	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: 8M, 1080p with auto-focus with flash	3700mAh (27.38 Whr)	miniHDMI x 1 miniUSB x 1 microSD Card slot x 1 SIM Card slot x 1 mPCI-e x 1	136.6mm x 219mm (W x L x H)	578g	-23 °C~55 °C	ML-STD-810G IP65	—	—	—
RTC-700C-TA-WBG-1202									610g								-23 °C~55 °C	ML-STD-810G IP65	2D BCS	—	2D BCS	
RTC-700C-TAD-WBG-1201									583g								-23 °C~55 °C	ML-STD-810G IP65	—	—	Yes	
RTC-700C-TAD-WBG-1202									615g								-23 °C~55 °C	ML-STD-810G IP65	2D BCS	—	Yes	
RTC-700C-TAD-WBGH-1212									685g								-23 °C~55 °C	ML-STD-810G IP65	—	Yes	Yes	
RTC-700C-TA-WBGH-1201									608g								-23 °C~55 °C	ML-STD-810G IP65	—	—	—	
RTC-700C-TA-WBGH-1202									640g								-23 °C~55 °C	ML-STD-810G IP65	2D BCS	—	2D BCS	
RTC-700C-TAD-WBGH-1201									603g								-23 °C~55 °C	ML-STD-810G IP65	—	—	Yes	
RTC-700C-TAD-WBGH-1202									635g								-23 °C~55 °C	ML-STD-810G IP65	2D BCS	—	Yes	
RTC-700C-TAD-WBGH-1212									705g								-23 °C~55 °C	ML-STD-810G IP65	—	Yes	Yes	

RTC-900R

Part Number	CPU	LCD Display	Touch Screen	System Memory	OS	WiFi	Bluetooth	3G Band (MHz)	Sensor	Camera	Display	USB	Expansion	SIM Card	Mounting	Power	Sunlight Readable
RTC-900R-WBG-1110	TEGRA 2 1.0 GHz	10.1" TFT LCD	Pcap 10-point	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	—	Light Sensor x 1 G Sensor x 1 3-axial digital groscope x 1 Vibrator x 1	Front: 1.2 MP Rear: 5 MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	1	—	12 V	—
RTC-900R-WBGH-1110	TEGRA 2 1.0 GHz	10.1" TFT LCD	Pcap 10-point	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	850/1900/2100	Light Sensor x 1 G Sensor x 1 3-axial digital groscope x 1 Vibrator x 1	Front: 1.2 MP Rear: 5 MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	1	—	12 V	—
RTC-900R-WBG-1210	TEGRA 2 1.0 GHz	10.1" TFT LCD	Pcap 10-point	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	—	Light Sensor x 1 G Sensor x 1 3-axial digital groscope x 1 Vibrator x 1	Front: 1.2 MP Rear: 5 MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	1	—	12 V	900 nit
RTC-900R-WBGH-1210	TEGRA 2 1.0 GHz	10.1" TFT LCD	Pcap 10-point	16GB eMMC Flash	Android 4.0	802.11 b/g/n	2.1 + EDR	850/1900/2100	Light Sensor x 1 G Sensor x 1 3-axial digital groscope x 1 Vibrator x 1	Front: 1.2 MP Rear: 5 MP	Mini HDMI x 1	Mini USB x 1	micro SD x 1	1	—	12 V	900 nit

RTC-900B

Part Number	CPU	LCD Display	System Memory	Storage	Touch	OS	WiFi	3G Band (MHz)	Power	Sunlight Readable	SCR	Docking	IP65
RTC-900B-WBG-1110	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 350 nits	4GB DDR3L	32GB	—	Windows® 8.1	802.11 a/b/g/n	—	DC 12 V	—	—	—	Yes
RTC-900B-WBGH-1110	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 350 nits	4GB DDR3L	32GB	—	Windows® 8.1	802.11 a/b/g/n	850/1900/2100	DC 12 V	—	—	—	Yes
RTC-900B-WBG-1210	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 800 nits	4GB DDR3L	32GB	Bonding	Windows® 8.1	802.11 a/b/g/n	—	DC 12 V	Yes	—	—	Yes
RTC-900B-WBGH-1210	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 800 nits	4GB DDR3L	32GB	Bonding	Windows® 8.1	802.11 a/b/g/n	850/1900/2100	DC 12 V	Yes	—	—	Yes
RTC-900B-WBG-1310	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 800 nits	4GB DDR3L	32GB	Bonding	Windows® 8.1	802.11 a/b/g/n	—	DC 12 V	Yes	Yes	—	—
RTC-900B-WBGH-1310	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 800 nits	4GB DDR3L	32GB	Bonding	Windows® 8.1	802.11 a/b/g/n	850/1900/2100	DC 12 V	Yes	Yes	—	—
RTC-900B-WBGH-1410	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 350 nits	4GB DDR3L	32GB	—	Windows® 8.1	802.11 a/b/g/n	850/1900/2100	DC 12 V	—	—	Yes	Yes
RTC-900B-WBGH-1411	Atom™ E3825 Dual Core 1.33 GHz	10.1" TFT LCD, 350 nits	4GB DDR3L	32GB	—	Windows® 10	802.11 a/b/g/n	850/1900/2100	DC 12 V	—	—	Yes	Yes

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

RTC-1200SK

Part Number	CPU	System Memory	Storage	OS	LCD Display	Touch Screen	WiFi	Bluetooth	Navigation	3G Bands(MHz)	NFC(HF RFID)	Sunlight Readable
RTC-1200SK3-TASD-WBGR-1100	6th Generation Intel® Core™ i3-6100U 2.3GHz	4GB DDR3L	64GB	Windows 10 IOT Enterprise	11.6" 1000 nits	Pcap	802.11 a/b/g/n	BT 4.0	GPS/GLONASS	850/1900/2100	Yes	Yes
RTC-1200SKU-TAD-WBG-1100	Intel® Celeron® Processor 3955U	4GB DDR3L	64GB	Windows 10 IOT Enterprise	11.6" 300 nits	Pcap	802.11 a/b/g/n	BT 4.0	GPS/GLONASS	—	—	—

Selection Guide



Model	RTC-600A	RTC-700A	RTC-700B
System			
Processor	OMAP 4470 up to 1.5 GHz Processor	NVIDIA® TEGRA™ 2 1.0 GHz Dual Core Processor	Intel® Atom™ x 5-Z8350 CHT-T3 Quad Core 1.92 GHz Processor
Memory	LPDDR2 1 GB SDRAM	1 GB LPDDRIL	DDR3L-RS 1600 2GB
Chipset	—	—	—
LCD Display	5.7" TFT LCD (1280 x 720) / 16:9	7" TFT-LCD (1280 x 800) / 16:10	7" TFT-LCD (1280 x 800) / 16:10
I/O	SIM Card x 1, Micro SD Card Slot x 1, USB 2.0 (type A) x 1, Micro USB port x 1, 3.5-mm stereo headphone jack x 1, DC-In Jack x 1, Built-in Speaker & Microphone	DC-in jack x 1, MicroSD Card x 1, SIM card slot x 1, Mini HDIM port 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 (Optional), Magnetic Stripe Reader x 1 (Optional)	DC-in jack x 1, MicroSD Card x 1, SIM card slot x 1, USB 2.0 x 2 (A Type x 1, Mini USB x 1), USB 3.0 x 1 (Type C), 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	Wifi support IEEE 802.11 b/g/n 5GHz/2.4GHz Band, BT 3.0(HS) with integrated class 1 PA and BLE	Bluetooth v2.1, Wi-Fi (802.11 b/g/n), NFC / RFID (13.56MHz), 3G (Optional)	Bluetooth v4.0, Wi-Fi (802.11 a/b/g/n), NFC / RFID (13.56MHz), 3G (Optional),
Storage	16 GB eMMC Flash	16GB eMMC	64GB Flash eMMC
WWAN(optional)	3G: WCDMA	3G: WCDMA	3G: WCDMA
Navigation	GPS, GLONASS, Beidou, AGPS, *AGPS only available when the 3G module is enabled.	GPS, Glonass(Optional), AGPS* is enabled with 3G	GPS, Glonass
BCS (optional)	1D Scanner support CMOS engine (optional), 2D Scanner support LED engine	1D Scanner support CMOS engine (optional), 2D Scanner support LED engine	1D Scanner support CMOS engine (optional), 2D Scanner support LED engine
RFID (optional)	HF RFID based on 13.56MHz compatible with NFC	HF RFID based on 13.56MHz compatible with NFC	HF RFID based on 13.56MHz compatible with NFC
Camera	5M Pixel AF camera with flash light	Front-facing: 1.2MP, Rear-facing: 5MP	2 MP front camera, 8 MP auto-focus rear camera with flash
Sensors	Light Sensor, G-Sensor, 3-axis digital gyroscope,vibrator	G-sensor, E-Compass, Gyroscope, Light-sensor	G-sensor, E-Compass, Gyroscope, Light-sensor
Expansion Slot	Docking	Docking (optional)	Docking
OS	—	Android™ 3.2/4.0.3	Windows® 10, Android™ 5.0
Mechanical			
Color	Black	Black	Black
Dimension (W x H x D)	4.13" x 8.27" x 0.83" (105mm x 210mm x 21mm)	5.38" x 8.58" x 0.83" (136.6mm x 219mm x 21mm)	5.38" x 8.58" x 0.83" (136.6mm x 219mm x 21mm)
Gross Weight	0.94 lb (0.43 kg)	1.254 lb (0.57 kg)	1.254 lb (0.57 kg)
Environmental			
Operating Temperature	Battery charging status: -4°F ~ 122°F (-20°C ~ 50°C) Battery discharging status: -4°F ~ 104°F (-20°C ~ 40°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-20 °C ~ 50 °C (-4 °F ~ 122°F)
Storage Temperature	-67°F ~ 167°F (-55°C ~ 75°C)	-67°F ~ 158°F (-55°C ~ 70°C)	-67°F ~ 158°F (-55 °C ~ 70 °C)
Operating Humidity	10% to 95%	50°C; 5% ~ 90%RH; 120 hours	50°C; 5% ~ 90%RH; 120 hours
Water & Dust Proof	IP67	IP65	IP65
Vibration	Meet Mil Std 810G-514.6, Procedure I	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2
Drop	Mil-STD-810G-516.6, Procedure IV	MIL-STD-810G Method 516.6 Procedure IV - Height of Drop: 122cm (48 inch; 4ft), - Number of Drop: 26 times, - Floor: Two-inch plywood backed by concrete, - For all surfaces, edges and corners	MIL-STD-810G Method 516.6 Procedure IV - Height of Drop: 122cm (48 inch; 4ft), - Number of Drop: 26 times, - Floor: Two-inch plywood backed by concrete, - For all surfaces, edges and corners
ESD	Air +/- 8KV , Contact +/- 4KV	Air charge: +/- 8KV, Contact charge: +/- 4KV	Air charge: +/- 8KV, Contact charge: +/- 4KV
EMI / Safety	CE / FCC Class B / UL	UL: UL60950-1, CE/LVD: EN60950-1, FCC, CE	UL: UL60950-1, CE/LVD: EN60950-1, FCC, CE
Power Supply			
AC / DC Adapter	AC input 100V-240V, 50Hz-60Hz; DC output: 12V/3A	AC Power: 100~240V, 24W, DC Power:12V/2A	AC Power: 100~240V, 24W, DC Power: 12V/3A
Battery Life	Hotswappable Lithium-Polymer high capacity battery, support up to 8hrs	Li-polymer High Capacity Battery, up to 8 Hours Battery Life, Li-polymer High Capacity Battery, up to 6 Houes Battery Life, one hard pack removable	Li-polymer High Capacity Battery, up to 8 Hours Battery Life, Li-polymer High Capacity Battery, up to 6 Houes Battery Life, one hard pack removable
Master Battery	External Battery: 7.4V 1530mAH	—	External Battery: 7.4V 1530mAH
Slave Battery	Internal Battery: 7.4V 1530mAH	—	Internal Battery: 7.4V 1530mAH
LCD			
Display	5.7" TFT LCD with LED backlight	7" TFT-LCD / 16:10	7" TFT-LCD / 16:10
Resolution	1280 x 720 Pixels	1280 x 800 pixel	1280 x 800 pixel
Max. Color	—	16.7M	16.7M
Dot Size	—	0.117 x 0.117(H)	0.117x 0.117(H)
Brightness	420 nits	400 nits, 680 nits (optional)	400 nits
Viewing angle	Horizontal: 178° (Typ.), Vertical: 178° (Typ.)	Horizontal: 178° (Typ.), Vertical: 178° (Typ.)	Horizontal: 178° (Typ.), Vertical: 178° (Typ.)
Touch Screen			
Touch Screen	Projected Capacitive Multi-Touch panel	Projected capacitive multi-touch screen (PCT)	Projected capacitive multi-touch screen (PCT)
Light Transmission	≥ 87%	Min 87% (ASTM D1003; Wavelength = 550nm)	Min 87% (ASTM D1003; Wavelength = 550nm)



Selection Guide



Model	RTC-700C	RTC-700M	RTC-900R
System			
Processor	Intel® Atom™ Z2760 1.8 GHz Dual Core Processor, (Clover Trail Platform)	TI® OMAP™ 4470 1.5GHz Dual Core Processor	Nvidia® Tegra 2 1.0 GHz Dual Core Processor
Memory	2GB LPDDR2-800MHz	1GB LPDDR2	LPDDR2 1GB
Chipset	—	—	—
LCD Display	7" TFT-LCD (1280 x 800) / 16:10	7" TFT-LCD (1280 x 800)/ 16:10	10.1" WXGA (1280 x 800) TFT LCD up to 900 nits (Optional)
I/O	DC-in jack x 1, MicroSD Card x 1, SIM card slot x 1, Mini HDIM port 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 (Optional), Magnetic Stripe Reader x 1 (Optional)	DC-in jack x 1, MicroSD Card x 1, SIM card slot x 1, Mini HDIM port 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 (Optional), Magnetic Stripe Reader x 1 (Optional), COM port x 1+ Ethernet x 1 (Optional)	Mini USB 2.0 x 1, Mini HDMI x 1, Micro SD Card Slot x 1, 3.5-mm stereo headphone Jack x 1, Built-in Speaker & Microphone, SIM Card Slot x 1, DC-in Jack x 1
Communication	Bluetooth v4.0, Wi-Fi (802.11 b/g/n), NFC / RFID (13.56MHz), 3G (Optional),	Bluetooth v3.0, Wi-Fi (802.11 b/g/n), NFC/ RFID (13.56MHz), 3G (Optional),	WLAN 802.11 b/g/n + Bluetooth 2.1, 3G module (Optional)
Storage	64GB eMMC 4.4.1	16GB eMMC	16GB eMMC
WWAN (optional)	3G: WCDMA	3G: WCDMA	3G
Navigation	GPS+Glonass, AGPS* is enabled with 3G	GPS, Glonass (Optional), AGPS* is enabled with 3G	GPS, AGPS
BCS (optional)	1D Scanner support CMOS engine (optional), 2D Scanner support LED engine	1D Scanner support CMOS engine (optional), 2D Scanner support LED engine	—
RFID (optional)	HF RFID based on 13.56MHz compatible with NFC	HF RFID based on 13.56MHz compatible with NFC	—
Camera	Front-facing: 2MP, 720p; Rear-facing: 8MP, 1080p HD, auto-focus with flash	Rear-facing: 5MP (8MP: optional)	Front Camera: 1.2 Mega, Real Camera : 5Mega
Sensors	G-sensor, E-Compass, Gyroscope, Light-sensor	G-sensor, E-Compass, Gyroscope, Light-sensor	G-sensor, Light-sensor
Expansion Slot	Docking (optional)	Docking	—
OS	Windows® Industry Pro 8.1	Android™ 4.2/5.1	Android 4.0
Mechanical			
Construction	—	—	—
Color	Black	Black	Black
Dimension (W x H x D)	5.38" x 8.58" x 0.83" (136.6mm x 219mm x 21mm)	5.38" x 8.58" x 0.83" (136.6mm x 219mm x 21mm)	10.65" x 7.42" x .96" (270.4mm x 188.4mm x 24.29mm)
Carton Dimension	—	—	—
Gross Weight	1.254 lb (0.57 kg)	1.254 lb (0.57 kg)	2.4 lb (1.1 kg)
Environmental			
Operating Temperature	-20 °C ~ 60 °C (-4 °F ~ 140°F)	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 131°F (-20°C ~ 55°C)
Storage Temperature	-67°F ~ 158°F (-55 °C ~ 70 °C)	-67°F ~ 158°F (-55°C ~ 70°C)	-67°F ~ 131°F (-55°C ~ 55°C)
Operating Humidity	50°C; 5% ~ 90%RH; 120 hours	50°C; 5% ~ 90%RH; 120 hours	10 to 95%@ 40°C, non-condensing
Water & Dust Proof	IP65	IP65	IP65 Compliant
Vibration	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2	MIL-STD-810G Method 514.6 Procedure I, Cat. 24, Fig. 514.6E-1 & E-2	Meets MIL-STD-810G-514.6, Procedure I Cat. 24, Fig. 514.6E-1 & 514.6E-2(Units is non-operating), ASTM 4169-99 Truck Assurance Level 2, Schedule E(Units is operating)
Drop	MIL-STD-810G Method 516.6 Procedure IV - Height of Drop: 122cm (48 inch; 4ft), - Number of Drop: 26 times, - Floor: Two-inch plywood backed by concrete, - For all surfaces, edges and corners	MIL-STD-810G Method 516.6 Procedure IV - Height of Drop: 122cm (48 inch; 4ft), - Number of Drop: 26 times, - Floor: Two-inch plywood backed by concrete, - For all surfaces, edges and corners	26 drop of 48 inches height to 2" plywood over concrete with uNits off MIL-STD-810G-516.6, Procedure IV
ESD	Air charge: +/- 8KV, Contact charge: +/- 4KV	Air charge: +/- 8KV, Contact charge: +/- 4KV	Air +/- 8KV, Contact +/- 4KV, IEC61000-4-2
EMI / Safety	UL: UL60950-1, CE/LVD: EN60950-1, FCC, CE	UL: UL60950-1, CE/LVD: EN60950-1, FCC, CE	CE/FCC Class B/UL
Power Supply			
AC / DC Adapter	AC Power: 100~240V, 24W, DC Power: 12V/2A	AC Power: 100~240V, 24W, DC Power output:12V/3A	AC Power input: 100V-240V, 50Hz-60Hz, 24W, DC Power output: 12V/2A
Battery Life	Li-polymer High Capacity Battery, up to 8 Hours Battery Life, Li-polymer High Capacity Battery, up to 6 Houes Battery Life, one hard pack removable	Li-polymer High Capacity Battery, up to 8 Hours Battery Life, Li-polymer High Capacity Battery, up to 6 Houes Battery Life, one hard pack removable	2S1P 6-Cell (6,810 mAh) battery, up to 10-Hours battery life
Master Battery	—	External Battery: 7.4V 1530mAh	—
Slave Battery	—	Internal Battery: 7.4V 1530mAh	—
LCD			
Display	7" TFT-LCD / 16:10	7" TFT-LCD / 16:10	10.1" 16:10 TFT LCD
Resolution	1280 x 800 pixel	1280 x 800 pixel	1280 x 800
Max. Color	16.7M	16.7M	16.7M colors
Dot Size	0.117x 0.117(H)	0.117x 0.117(H)	0.0565x 0.1695 mm
Brightness	400 nits	400 nits, 680 nits (optional)	350/900 nits (Optional)
Viewing angle	Horizontal: 178° (Typ.), Vertical: 178° (Typ.)	Horizontal: 178° (Typ.), Vertical: 178° (Typ.)	Vertical 60° (R)/60° (L), Horizontal 70° (U)/70° (L)
Touch Screen			
Touch Screen	Projected capacitive multi-touch screen (PCT)	Projected capacitive multi-touch screen (PCT)	Projected Multi-Touch Panel
Light Transmission	Min 87% (ASTM D1003; Wavelength = 550nm)	Min 87% (ASTM D1003; Wavelength = 550nm)	≥87%

Selection Guide



Model	RTC-900B	RTC-1000i	RTC-1200SK
System			
Processor	Intel® Atom™ E3825 1.33 GHz Dual Core Processor, up to E3827 1.75 GHz	Intel® Core™ i7-620UE 1.06GHz	6th Generation Intel® Core™ i3-6100U 2.3 GHz
Memory	DDR3L 4 GB (Default) SODIMM socket x 1, up to 8 GB	DDR3 onboard 2 GB (Default)+SODIMM socket x 1, up to 6GB	One DDR3L SODIMM Socket, up to 8 GB
Chipset	—	Intel® QM57 Express chipset	—
LCD Display	10.1" WXGA (1280 x 800) TFT LCD up to 800 nits (Optional)	10.2" WSVGA (1024x600) TFT LCD with Touch Screen (AOT)	11.6 Sunlight Readable 1000nits (1980 x 1080) TFT LCD, PCAP Multi-touch LED backlight
I/O	Micro USB 3.0 x 1, Micro HDMI x 1, Micro SD Card Slot x 1, 3.5-mm stereo headphone Jack x 1, Built-in Speaker & Microphone, SIM Card Slot x 1, DC-in Jack x 1, Docking (optional)	COM (RX-232/422/485) x 1, USB 2.0 x 2, Mini USB x 1, VGA x 1, Docking port x 1, Two audio in/out jacks for Microphone/ Earphone	SIM Card x 1, Micro SD Card Slot x 1, USB 2.0 x 2, USB 3.0 x 1, RJ45 x 1, RS232 x 1, Mini HDMI x 1, 3.5mm stereo headphone jack x 1, DC-In Jack x 1, Built-in Speaker & Microphone
Communication	WLAN 802.11 a/b/g/n + Bluetooth 4.0, 3G/4G module (Optional)	Gigabit Ethernet, WLAN 802.11 b/g+Bluetooth 2.0 Class 1, 3.5G Modem module (Optional)	WiFi support IEEE 802.11 a/b/g/n 5GHz/2.4GHz Band, Bluetooth 4.0(HS)
Storage	32GB mSATA (Default) up to 256 GB (Optional)	2.5" SATA Hard Disk/SSD (Optional)	64 GB M.2 SSD, up to 512 GB
WWAN (optional)	3G	—	3G: WCDMA/CDMA
Navigation	U-blox AMY-6M	—	GPS, GLONASS
BCS (optional)	—	—	—
RFID (optional)	HF, 13.56MHz with HFC	—	—
Camera	Front Camera: 2Mega, Real Camera : 5Mega	—	Front Camera: 2MP, Rear: 5MP
Sensors	Light Sensor, G-Sensor	—	Light Sensor, G-Sensor, 3-axis digital gyroscope
Expansion Slot	Docking (optional)	PCMICA (Default) or Smart Card x 1, Mini-Card x 2, CompactFlash x 1 or SDHC x 1, SIM x 1	Docking
OS	Windows® Embedded Standard 7, Windows® Embedded 8.1, Windows® 10	Windows Embedded Standard 2009, Windows Embedded Standard 7, Linux Ubuntu 9.04	Windows® Embedded Standard 7, Windows® Embedded 8.1, Windows® 10
Mechanical			
Color	Black	Black	Black
Dimension (W x H x D)	10.65" x 7.42" x .96" (270.4mm x 188.4mm x 24.29mm)	10.63" x 7.24" x 1.93" (270mm x 184mm x 49mm)	12.22" x 7.87" x 0.96"(310.4 mm x 200 mm x 24.5 mm)
Gross Weight	2.7 lb (1.24 kg)	5 lb (2.3 kg), including 9-cell battery, hand strap and bumpers	3.52 lb (1.6 kg) (including two removable batteries)
Environmental			
Operating Temperature	-4°F ~ 131°F (-20°C ~ 55°C)	-4°F ~ 140°F (-20°C ~ 60°C)	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Temperature	-67°F ~ 131°F (-55°C ~ 55°C)	-67°F ~ 167°F (-55°C ~ 75°C)	-67°F ~ 167°F (-55°C ~ 75°C)
Operating Humidity	10 to 95% @ 40°C, non-condensing	10 to 95% @ 40°C, non-condensing	10% to 95%
Water & Dust Proof	IP65 Compliant	IP54 Compliance	IP65
Vibration	Meets MIL-STD-810G-514.6, Procedure I Cat. 24, Fig. 514.6E-1 & 514.6E-2(UNits is non-operating), ASTM 4169-99 Truck Assurance Level 2, Schedule E(UNits is operating)	Meets MIL-STD-810G-514.6, Procedure I Cat. 24, Fig. 514.6E-1 & 514.6E-2(UNits is non-operating), ASTM 4169-99 Truck Assurance Level 2, Schedule E(UNits is operating)	Meets Mil Std 810G-514.6, Procedure I
Drop	26 drop of 48 inches height to 2" plywood over concrete with uNits off MIL-STD-810G-516.6, Procedure IV	26 drop of 48 inches height to 2" plywood over concrete with uNits off MIL-STD-810G-516.6, Procedure IV	MIL-STD-810G-516.6, Procedure IV
ESD	Air +/- 8KV, Contact +/- 4KV, IEC61000-4-2	Air +/- 8KV, Contact +/- 4KV, IEC61000-4-2	Air +/- 16KV, Contact +/- 8KV
EMI / Safety	CE/FCC Class B/UL	CE/FCC Class B/UL	CE / FCC Class B / UL
Power Supply			
AC / DC Adapter	AC Power input: 100V-240V, 50Hz-60Hz, 48W, DC Power output: 12V	AC Power input: 100V-240V, 50Hz-60Hz, 65W, DC Power output: 19V	AC input 100V-240V, 50Hz-60Hz, 65W; DC output:19V
Battery Life	2S1P 6-Cell (6,810 mAh) battery, up to 7-Hours battery life	3SSP 9-Cell (7,800 mAh) battery, up to 5-Hours battery life	Two hotswappable Li-Ion high capacity batteries, support up to 6 hours
Master Battery	—	—	2200mAh x 2
Slave Battery	—	—	—
LCD			
Display	10.1" 16:10 TFT LCD	10.2" 16:9 TFT LCD	11.6" TFT LCD
Resolution	1280 x 800	1024 x 600	1920 x 1080 Full HD
Max. Color	16.7M colors	262K colors	—
Dot Size	0.0565x 0.1695 mm	0.2175 x 0.2175	178°(V)/ 178°(H)
Brightness	350/800 nits (Optional)	200/500 nits (Optional)	1000 nits
Viewing angle	Vertical 60° (R)/60° (L), Horizontal 70° (U)/70° (L)	Vertical 60° (R)/60° (L), Horizontal 70° (U)/70° (L)	—
Touch Screen			
Touch Screen	Projected Multi-Touch Panel	4-wire, Analog Resistive	Projected Capacitive Multi-Touch panel
Light Transmission	≥87%	≥87%	≥ 87%

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