

RTC-700C

Rugged Tablet Computer

Intel® Atom™ Z2670

1.8GHz Processor with DDR2 2G

7" WXGA TFT LCD [1280x800]

1Mini HDMI, 1Mini USB, Dual Camera

RTC-700C Manual 1st Ed

June 23, 2014

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Packing List

Before you begin operating your tablet computer, please make sure that the following materials are enclosed:

- 1 RTC-700C Rugged Tablet with Microsoft Windows OS
- 1 AC Adapter with Power Cord
- 1 DVD-ROM for driver & manual (in PDF format)

If any of these items should be missing or damaged, please contact

AAEON's distributor or sales representative immediately.

Options

The following items are normally optional, but some vendors may include them in the standard package. Some items may not be available in some countries, or some vendors may choose not to carry all the times.

- 3G Modem module

***Caution:** when purchasing any of the accessories listed above, purchase only those accessories that are approved for use with your Rugged Tablet Computer. The above accessories are proprietary items. Our system vendor can obtain these approved accessories. If you use items that are not approved for use with this Rugged Tablet Computer, you may cause your Rugged Tablet Computer to malfunction, or to emit or receive electro-magnetic radiation in excess of local regulations. For non-proprietary accessories such as PC cards or printers, ensure that the accessory functions properly in your Rugged Tablet Computer before making the purchase. Your system vendor may be able to recommend reliable brands and models.*

Safety & Maintenance

You can use your Rugged Tablet Computer under a wide range of environmental conditions. However, to ensure long use and continued high performance, consider the following factors when setting up your Rugged Tablet Computer (RTC):

- Follow all warnings and instructions noted in this documentation and in the Microsoft[®] Help program.
- The input voltage range between the wall outlet and this adapter is AC 100V–240V, and the output voltage of this adapter is DC 12V, 2A.
- The first time you use your RTC, we recommend that you carefully read the Making Connections section of this manual and initialize the battery to ensure optimum battery performance.
- Unplug the RTC from the power outlet before cleaning. Use a damp cloth for cleaning. Do not use aerosols, solvents, or strong detergents.
- Slots and openings in the system cabinet are for ventilation purposes. Do not block or cover these openings or the system could overheat. Does not use or store the RTC near a source of heat or dust.
- On the base or rear panel of this RTC, there is a label with information on the power requirements of this system. These requirements must be followed. If you are unsure of your local power supply, consult your dealer or local Power Company.
- Do not step on or place anything on the power cord.

- If you use the RTC with an extension cord, ensure that the total ampere ratings of all the devices sharing the extension do not exceed the rating of the extension cord or the rating of the wall outlet.
- Never push foreign objects into the RTC through any of the slots or openings. Dangerous voltages are present, which could cause electric shock or fire, or damage sensitive components.

FCC

Warning!

This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

Caution:

There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and your local government's recycling or disposal directives.

Attention:

Il y a un risque d'explosion si la batterie est remplacée de façon incorrecte.

Ne la remplacer qu'avec le même modèle ou équivalent recommandé par le constructeur. Recycler les batteries usées en accord avec les instructions du fabricant et les directives gouvernementales de recyclage.

Below Table for China RoHS Requirements

产品中有毒有害物质或元素名称及含量

AAEON Panel PC/ Workstation

| 部件名称 | 有毒有害物质或元素 | | | | | |
|---|-----------|-----------|-----------|-----------------|---------------|-----------------|
| | 铅 (Pb) | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr(VI)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 印刷电路板 及其电子组件 | × | ○ | ○ | ○ | ○ | ○ |
| 外部信号 连接器及线材 | × | ○ | ○ | ○ | ○ | ○ |
| 外壳 | × | ○ | ○ | ○ | ○ | ○ |
| 中央处理器 与内存 | × | ○ | ○ | ○ | ○ | ○ |
| 硬盘 | × | ○ | ○ | ○ | ○ | ○ |
| 液晶模块 | × | ○ | ○ | ○ | ○ | ○ |
| 光驱 | × | ○ | ○ | ○ | ○ | ○ |
| 触控模块 | × | ○ | ○ | ○ | ○ | ○ |
| 电源 | × | ○ | ○ | ○ | ○ | ○ |
| <p>O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。</p> <p>X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求。</p> <p>备注: 一、此产品所标示之环保使用期限, 系指在一般正常使用状况下。 二、上述部件物质中央处理器、内存、硬盘、光驱、触控模块为选购品。</p> | | | | | | |

Contents

Chapter 1 Settings

| | |
|---|------|
| 1.1 Getting Started | 1-2 |
| 1.2 Features | 1-3 |
| 1.3 Where to Look For Information | 1-5 |
| 1.4 Quick Start..... | 1-6 |
| 1.5 Loading Windows..... | 1-7 |
| 1.6 Adjusting the Volume | 1-8 |
| 1.7 Adjusting the Brightness | 1-9 |
| 1.8 Turning off your RTC..... | 1-10 |

Chapter 2 Making Connections

| | |
|---------------------------------|-----|
| 2.1 Right Side Connectors | 2-3 |
| 2.2 Left Side Connectors..... | 2-5 |
| 2.3 Rear Side Connectors..... | 2-6 |

Chapter 3 Power Management

| | |
|--|-----|
| 3.1 Power Management | 3-2 |
| 3.2 Battery Usage & Safety..... | 3-7 |
| 3.3 Heat Consideration..... | 3-8 |
| 3.4 Calibration the Touch screen | 3-8 |

Chapter 4 Driver Installation

| | |
|------------------------|-----|
| 4.1 Installation | 4-3 |
|------------------------|-----|

Appendix A Statements

| | |
|----------------------------|------|
| A.1 Statements | A-2 |
| A.2 Canadian Notice | A-5 |
| A.3 CE Mark Notice | A-7 |
| A.4 Safety Caution | A-8 |
| A.5 Battery Disposal | A-10 |
| A.6 Battery Caution | A-12 |
| A.7 Adapter Caution | A-14 |

Chapter 1

Introduction

1.1 Getting Started

Congratulations on your purchase of a **Rugged Tablet Computer (RTC)**. It weighs less than 700g, in large part, to a 7-inch screen that boasts a 1,280-by-800 resolution. It's truly a portable rugged tablet that comes with the gamut of wireless radios, including 802.11b/g/n Wi-Fi, Bluetooth, 3G HSPA, and AT&T.

With your RTC, you will be able to organize and access important business and personal information. In addition, you will be able to send and receive e-mail and access the Internet.

This Manual contains all the information you need to set up and use your RTC. It describes all the features of the RTC in an easy-to-read yet thorough manner.

1.2 Features

- **Your new RTC offers leading, easy-to-access multimedia and entertainment features. You can:**
 - Connect to Internet.
 - Access your email while on the move.
 - Keep in touch with your friends via your Contacts and social networking applications.
 - Listen to rich, full-impact audio via Dolby Mobile.

- **Software Included**
 - Microsoft Windows® Operation System

- **High performance Processors**

Ultra Low Voltage Mobile Intel® Atom™ Processor 1.8GHz CPU

- **High Capacity Storage**

The Rugged Tablet Computer has a high capacity eMMC, to store your favorite programs and large multimedia files.

- **Built-in WiFi, Bluetooth® and 3G modem capabilities**

Built-in 802.11b/g/n, 3| G generation networking, which allow you to access the Internet anywhere in anytime.

1.3 Where to Look For Information

About Your RTC

This User's Manual describes the key elements of your RTC. New users can find a simple step-by-step orientation in the Quick Start section of this Chapter.

About Windows

Windows Online Help, found on the Start menu, offers extensive Windows assistance. **Welcome to Windows** offers an online orientation for new Windows users. Find it in:

[*Start/Programs/Accessories/System Tools.*](#)

1.4 Quick Start

Turning on the Rugged Tablet Computer for the First Time



For first-time use, you need to charge your RTC for four hours. After that you can recharge the battery as needed.

1. Connect the AC adapter power cord to the AC adapter.
2. Connect the AC adapter to the DC-in jack on the right side of your RTC.
3. Connect the AC adapter power cord to an AC outlet.
4. Press the power button to turn on the power.

Note: The battery is not fully charged. Allow your battery to fully charge before using it (i.e., before disconnecting AC power). Calibrating the battery before use is also highly recommended.

It is normal for the RTC surface to become warm during charging or long periods of use.

Refer to Chapter of *Power Management* for further information.

1.5 Loading Windows

The following section is for the Windows operating system only. If you are installing a different operating system, please check with your vendor for installation details.

Your RTC will begin loading Windows once you turn on the power. Wait a few seconds for Windows setup to load.

The Welcome to Windows screen will appear. You may disable this feature by clearing the check box labeled **show this screen each time Windows starts**.

Some software comes preloaded with Windows. New users can familiarize themselves with this software by selecting Programs from the start menu, then clicking on programs to run them.

Chapter
2


**Making
Connections**



Making Connections

Your RTC is equipped with a full array of ports and connectors, including standard input/output (I/O) ports for quickly and easily adding peripheral devices such as printers, keyboards, and mouse. Refer to documentation included with individual devices for details on connecting these devices to your RTC.

2.1 Right Side Connectors




| No. | Item | Description |
|-----|---|--|
| 1 | MicroSD card slot | Insert a micro SD card into the slot under this cover; it stores plenty of information even in a compressed state. |
| 2 | Headset Jack  | Connect to audio devices (e.g. speakers, headphones). Supports compatible 3.5mm headset with built-in microphone. |
| 3 | Speakers | Emits stereo audio; used in music or video playback, notification tones, and other sounds. |

| 4 | DC-in Jack | Connect to the AC-DC power supply. |
|-----|--|--|
| No. | Item | Description |
| 5 | Mini USB port (Host)  | Connector to a computer with USB cable. Plug in a mini USB cable to sync music, video and files. This mini-USB port can only play as host role. |
| 6 | Mini HDMI port  | Supports high-definition digital video connectors. |

2.2 Left Side Connectors



| No. | Item | Description |
|-----|---|---|
| 1 | Power Bottom  | Long press to turn your RTC on, press briefly to turn the screen on/off or enter sleep mode; press and hold to turn your RTC off. |
| 2 | SIM Card Slot | Accepts a 3G SIM card (Configuration may vary depending on model). |
| 3 | Light Sensor | Detects ambient light and |

| | | |
|---|---------------------|--|
| | | automatically adjusts the screen brightness. |
| 4 | Front-facing Camera | With 2 mega pixels camera for video chatting and self-portrait image. Web camera for video communication. |

2.3 Rear Side Connectors



2

1

| No. | Item | Description |
|-----|--------------------|---|
| 1 | NFC | NFC Reader Area |
| 2 | Rear-facing Camera | With 8 mega pixels camera for taking high-resolution images; used when taking pictures or recording videos. |

Chapter
3

Power
Management

3.1 Power Management

Checking the Battery Level

This RTC has built-in power management unit that monitor system activity. System activity refer to any activity involving one or more of the following devices; keyboard, mouse, memory card, peripheral connected to the RTC, and video memory. If no activity is detected for a period of time (called an inactivity timeout), the RTC stops some or all these devices in order to conserve energy.

This RTC employs a power management scheme that supports the advanced configuration and power interface (ACPI), which allows for maximum power conservation and maximum performance at the same time. Windows handles all power-saving chores for your RTC.

You can check the remaining battery power in the Windows® battery status indicator located at the lower right-hand corner of the task tray. The Battery Status icon only appears in the task tray while the unit is running on the battery power but not while the unit is running off an external power source through the AC adaptor.

Chapter

4

Driver

Installation

The RTC-700C comes with a CD-ROM that contains all drivers your need.

Follow the sequence below to install the drivers:

Step 1 – Install All Driver

Step 2 – Register WIFI_BT NVRAM

Please read following instructions for detailed installations.

4.1 Installation

Insert the RTC-700C CD-ROM into the CD-ROM Drive. And install the drivers from Step 1 to Step 2 in order.

Step 1 – Install All Driver

1. Click on the **Step 1. All Driver** folder and double click on **Setup.exe** file
2. Follow the instructions that the window shows
3. The system will help you to install the driver automatically

Step 2 – Register WIFI_BT NVRAM

1. Click on the **Step 2 Register WIFI_BT NVRAM** folder and click on **setup_wifi_ufi_config.bat** file
2. Click mouse right button and select “Run as administrator”
3. When flash finish, reboot system

Appendix

A

Statements

A.1 Statements

Declarations and Safety Statements

Federal Communications Commission Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The highest SAR value for the device as reported to the FCC is 1.46 W/kg when placed next to the body.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of

www.fcc.gov/oet/ea/fccid on the FCC ID: OHBRTC700CWBGB.

This device is in compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95. 1-1999 and has been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

A.2 Canadian Notice

IC Regulations

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This Category II radio communication device complies with Industry Canada Standard RSS-310.

Ce dispositif de radio communication de catégorie II respecte la norme CNR-310 d'Industrie Canada.

IC Radiation Exposure Statement

This EUT is compliant with SAR for general population/uncontrolled exposure limits in IC RSS-102 and has been tested in accordance with the measurement methods and procedures specified in IEEE 1528 in direct contact (touch) to the phantom and can be used without any restrictions.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

The County Code Selection feature is disabled for producted

marketed in the U.S. and Canada.

For products available in the U.S./Canada markets, only channels 1-11 can be operated. The selection of other channels is not possible.

A.3 CE Mark Notice

CE Mark Warning

CE marking for devices without wireless LAN/Bluetooth®

The shipped version of this device complies with the requirements of the EEC directives 2004/108/EC “Electromagnetic compatability” and 2006/95/EC “Low voltage directive.”



CE Marking for devices with wireless LAN/Bluetooth®

This equipment complies with the requirements of Directive 1999/5/EC of the European Parliament and Commission from March 9th, 1999 governing Radio and Telecommunications Equipment and mutual recognition of conformity.

A.4 Safety Caution (Avertissement sur la sécurité)

Important Safety Instructions**Power Safety Requirement**

Products with electrical current ratings up to 2A and weighs more than 1 Kg must use approved power cords greater than or equal to: VCTF, 3G or 0.75mm².

Basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

Do not use the RTC near water, for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.

Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.

Do not use the telephone to report a gas leak in the vicinity of the leak.

Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

Instructions importantes de sécurité.**Exigences de sécurité concernant l'alimentation.**

Les produits dont le courant électrique monte jusqu'à 2A et pesant plus de 1Kgs doivent utiliser un cordon d'alimentation approuvé égal ou supérieur à VCTF, 3G ou 0.75mm²

Des mesures de précaution de base doivent toujours être suivies afin de

réduire les risques d'incendie, de choc électrique et de blessures aux personnes, incluant :

- Ne pas utiliser ce produit près de l'eau, par exemple dans une baignoire, une cuvette, un évier, une machine à laver, un sous-sol humide ou une piscine.
 - Éviter d'utiliser un téléphone (autre que sans fil) pendant un orage électrique ? il y a un risque de choc électrique à distance lié à la foudre.
 - Ne pas utiliser le téléphone pour alerter lors d'une fuite de gaz si vous êtes dans le voisinage de la fuite
 - Utiliser seulement le cordon d'alimentation et la batterie indiqués dans le manuel. Ne pas jeter les batteries dans le feu. Elles pourraient exploser.
- Vérifier les dispositions locales de recyclage.

A.5 Battery Disposal (Recyclage de la batterie)



There is a risk of explosion if the battery is replaced by an incorrect type.
Dispose of used batteries according to the instructions.

Il y a un risque d'explosion si la batterie est remplacée par un autre type incorrect.
Disposer de la batterie en accord avec les instructions.



This symbol indicates that the battery should NOT be placed in municipal waste.



DO NOT throw the **RTC-700C** with municipal waste. This product is designed for proper reuse of parts and recycling. This symbol indicates that the product (electrical, electronic equipment and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.



SAFE TEMP: The **RTC-700C** should only be used in environments between **-20°C (-4°F)** and **50°C (122°F)**.

Regulatory information / Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.

A.6 Battery Caution (Avertissement sur la batterie)

Please don't stock the RTC for a long time (over one month) without charging the battery that could damage or reduce life of the battery.

Merci de ne pas stocker la RTC pendant un temps long (plus de un mois)

sans recharger la batterie. Cela peut endommager ou réduire la durée de vie de la batterie

There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

Regulatory information / Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified.

It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment.

Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.

A.7 Adapter Caution (Avertissement sur l'adaptateur)

This RTC is for use with model NO. LTE24E-S2-2.

Ce modèle RTC est à utiliser avec le modèle n° LTE24E-S2-2