

# RTC-1020

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Rugged Tablet Computer

User's Manual 1<sup>st</sup> Ed

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# Packing List

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Before setting up your product, please make sure the following items have been shipped:

Item	Quantity
● RTC-1020	1
● 19V Power Adapter (Power Cord ordered separately)	1

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

## About this Document

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This User's Manual contains all the essential information, such as detailed descriptions and explanations on the product's hardware and software features (if any), its specifications, dimensions, jumper/connector settings/definitions, and driver installation instructions (if any), to facilitate users in setting up their product.

Users may refer to the product page at [AAEON.com](http://AAEON.com) for the latest version of this document.

## Safety Precautions

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Please read the following safety instructions carefully. It is advised that you keep this manual for future references

1. All cautions and warnings on the device should be noted.
2. Make sure the power source matches the power rating of the device.
3. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
4. Always completely disconnect the power before working on the system's hardware.
5. No connections should be made when the system is powered as a sudden rush of power may damage sensitive electronic components.
6. If the device is not to be used for a long time, disconnect it from the power supply to avoid damage by transient over-voltage.
7. Always disconnect this device from any AC supply before cleaning.
8. While cleaning, use a damp cloth instead of liquid or spray detergents.
9. Make sure the device is installed near a power outlet and is easily accessible.
10. Keep this device away from humidity.
11. Place the device on a solid surface during installation to prevent falls.
12. Watch out for high temperatures when the system is running.
13. Never pour any liquid into the openings. This could cause fire or electric shock.
14. As most electronic components are sensitive to static electrical charge, be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and contain all electronic components in any static-shielded containers.
15. If any of the following situations arises, please contact our service personnel:
  - i. Damaged power cord or plug

- ii. Liquid intrusion to the device
- iii. Exposure to moisture
- iv. Device is not working as expected or in a manner as described in this manual
- v. The device is dropped or damaged
- vi. Any obvious signs of damage displayed on the device

- 16. DO NOT LEAVE THIS DEVICE IN AN UNCONTROLLED ENVIRONMENT WITH TEMPERATURES BEYOND THE DEVICE'S PERMITTED STORAGE TEMPERATURES (SEE CHAPTER 1) TO PREVENT DAMAGE.
- 17. Do not use the battery pack if any part of it is protruding or inflated. Replace with a new battery pack immediately.
- 18. If the battery pack cannot be charged (won't hold a charge, system is unable to charge it), replace the battery pack with a new one immediately.

## FCC Statement

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### **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.*



产品中有毒有害物质或元素名称及含量

AAEON System

QQ4-381 Rev.A0

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	×	○	○	○	○	○
电池	×	○	○	○	○	○
<p>本表格依据 SJ/T 11364 的规定编制。</p> <p>○：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 GB/T 26572标准规定的限量要求以下。</p> <p>×：表示该有害物质的某一均质材料超出了GB/T 26572的限量要求，然而该部件仍符合欧盟指令2011/65/EU 的规范。</p> <p>备注：</p> <p>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。</p> <p>二、上述部件物质中央处理器、内存、硬盘、光驱、电源为选购品。</p> <p>三、上述部件物质液晶模块、触控模块仅一体机产品适用。</p>						

China RoHS Requirement (EN)

Hazardous and Toxic Materials List

AAEON System

QO4-381 Rev.A0

Component Name	Hazardous or Toxic Materials or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated biphenyls (PBBs)	Polybrominated diphenyl ethers (PBDEs)
PCB and Components	X	O	O	O	O	O
Wires & Connectors for Ext.Connections	X	O	O	O	O	O
Chassis	O	O	O	O	O	O
CPU & RAM	X	O	O	O	O	O
HDD Drive	X	O	O	O	O	O
LCD Module	X	X	O	O	O	O
Optical Drive	X	O	O	O	O	O
Touch Control Module	X	O	O	O	O	O
PSU	X	O	O	O	O	O
Battery	X	O	O	O	O	O
<p>This form is prepared in compliance with the provisions of SJ/T 11364.</p> <p>O: The level of toxic or hazardous materials present in this component and its parts is below the limit specified by GB/T 26572.</p> <p>X: The level of toxic of hazardous materials present in the component exceed the limits specified by GB/T 26572, but is still in compliance with EU Directive 2011/65/EU (RoHS 2).</p> <p><b>Notes:</b></p> <p>1. The Environment Friendly Use Period indicated by labelling on this product is applicable only to use under normal conditions.</p> <p>2. Individual components including the CPU, RAM/memory, HDD, optical drive, and PSU are optional.</p> <p>3. LCD Module and Touch Control Module only applies to certain products which feature these components.</p>						

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# Chapter 1

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Product Specifications

## 1.1 Specifications

### System

Processor	11th Generation Intel® Core™/Celeron® Processor SoC Intel® Core™ i5-1145G7E Intel® Core™ i3-1115G4E Intel® Celeron® 6305E
Memory	Onboard LPDDR4X, 8GB/16GB (Default: 8GB)
Storage	M.2 SSD, 64GB/128GB/256GB (Default: 64GB)
Display	10.1" FHD (1920 x 1200) 450-nit/800-nit TFT-LCD with Projected Capacitive Multi-Touch Screen
I/O Port	Micro-HDMI Port x 1 SIM Card Slot x 1 MicroSD Card Slot x 1 Audio Jack x 1 (3.5mm) USB 3.2 Gen 2 x 2 (USB Type-C x 1) USB 2.0 x 2 DC-In Jack x 1 RS-232/422/485 x 1 RJ-45 x 1 (10/100/1000 Base-T)
Communication	Wi-Fi 802.11 a/b/g/n/ac Bluetooth v5.1 (EDR + BLE)
Navigation	Up to 3 GNSS: GPS + Galileo (Default) GLONASS BeiDou (Optional)
WWAN	LTE via M.2 Slot (Optional)

System	
Camera	5MP Front Camera
	8MP Rear Camera with Flash
Sensor	G-Sensor
	E-Compass
	Gyro-Sensor
	Light-Sensor
Expansion Slot	M.2 Slot x 3 (SSD x 1, Wi-Fi Module x 1, LTE Module x 1)
	Docking Connector: USB 3.2 Gen 2 x 1
Barcode Scanner	2D Barcode Scanner (Optional)
HF RFID (Optional)	ISO 15693 (R/W)
	ISO 18092 (R/W)
	ISO 14443-A (R/W)
	ISO 14443-B (Only Read UID)
	Dependent on Card Type
Audio	Speaker x 1
Physical Key	F0 or Windows® (Windows® Start Key)
	F1 (BCR Trigger Button (When BCR is enabled)
	F2 (Screenprint)
	F3 (Ctrl+Alt+Del)
	Volume Up (Speaker Volume Up)
	Volume Down (Speaker Volume Down)
Operating System	Windows® 10 IoT Enterprise SAC (Default)
	Ubuntu®

Mechanical

Color	Black & Dark Grey
Dimension	10.71" x 7.48" x 0.94" (272.0mm x 190.0mm x 24.0mm)
Gross Weight	3.3 lb. (1.5 Kg) based on configurations

Environmental

Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Storage Temperature	-22°F ~ 158°F (-30°C ~ 70°C)
Humidity	0% ~ 90% relative humidity, non-condensing
Environmental Sealing	IP65
Vibration	MIL-STD-810G-514.6 Procedure I Cat.24, Fig 514.6E-1 & 514.6E-2 (Unit is non-operating)
Drop	MIL-STD-810G-516.6 Procedure IV Drop Height: 122cm Number of Drops: 26, for all surfaces, edges and corners Condition: Based on 2" plywood over concrete
Shock	N/A
ESD	Air charge: +/- 8KV Contact charge: +/- 4KV
Certifications and Standards	CE, FCC



Power Supply

AC / DC Adapter	AC 100 ~ 240V, 50 ~ 60 Hz, Output: 19V/3.42A/65W
Battery Life	Li-ion Battery 6-hour battery life based on test configurations
Master Battery	Hot-Swappable Battery: 14.4V, 2270mAh, 32.7W 14.8V, 3450mAh, 51.1W (Optional)
Slave Battery	Hot-Swappable Battery: 14.4V, 2270mAh, 32.7W 14.8V, 3450mAh, 51.1W (Optional)

Display

LCD	10.1" TFT-LCD Display
Resolution	1920 x 1200
Maximum Color	16.7M
Dot Size	N/A
Brightness	450 nits (800 nits, Optional)
Viewing Angle	Horizontal: 160° (Typical) Vertical: 160° (Typical)

Touch Screen

Touch Type	Projected Capacitive Multi-Touch Screen (PCT)
Light Transmission	Min. 85%

# Chapter 2

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Getting Started

## 2.1 Product Overview



Function	Description
Power Button	(1) Power on or Shut down device (2) Enter Sleep mode
HF RFID	Support ISO 15693 (R/W) ISO 18092 (R/W) ISO 14443-A (R/W) ISO 14443-B (Only Read UID) Dependent on card type
5MP Camera	5MP Web Cam
Light Sensor	Ambient Light Sensor
Volume Up	Speaker volume up
Volume Down	Speaker volume down
F0	Windows Start Key
F1	BCR Trigger Button (When BCR is Enabled)
F2	Print Screen
F3	Ctrl + Alt + Del

Side View (Left)



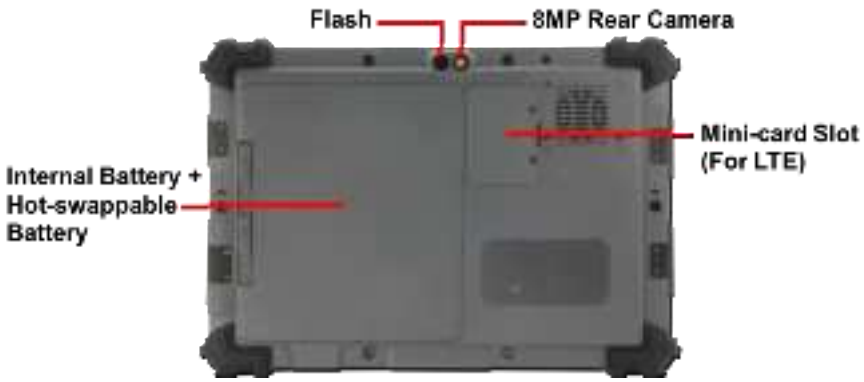
Function	Description
DC-In Jack	Input: DC 19V
USB	USB 3.2 Gen 2 x 2 (USB Type-C x 1)
Audio Jack	3.5mm Stereo Headphone Jack
HDMI	Micro HDMI (Only supports Full HD)
SIM Card Slot	Micro SIM Card only
SD Card Slot	MicroSD Card only (Read: About 20 Mbps)
2D Barcode Scanner	2D Barcode Scanner (Optional)

Side view (Right)



Function	Description
COM Port	RS232/422/485
GbE	RJ-45
USB 2.0	Type A x 2
Docking Connector	Dock with RDS-1020
Kensington Lock	Device lock

Rear View



Function	Description
8MP Camera	With LED Flash
Mini-card Slot	For LTE module (Optional)
Battery Bay	Hot-Swappable Battery x 1

## 2.2 Notes Before Use

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Before using your device, please read through the following instructions

- Use only the power adapter that comes with your device. Using a different power adapter may cause damage.
- The AC power cord is designed for the RTC-1020 only.
- This product is intended to be supplied by a Listed Power Adapter or DC power source, rated 12Vdc, 3A minimum, Tma = 40°C. Please contact AAEON for further assistance.
- Using a power outlet is the best way to charge your device (refer to section 1.2 for the power adapter's voltage output and acceptable input).
- When using the device for the first time, fully charge the battery for up to 8 hours. If the device is inactive, charging the battery once per month is recommended to prevent battery life deterioration.
- There are two batteries in the RTC-1020: Both batteries can be monitored at the title bar). Charge the device once Hot-swappable battery drops below 20%.
- Always allow your battery to be fully charged before use.
- To prolong battery life, allow a fully charged battery to discharge more than 95% before recharging.
- Ensure that the battery cover is properly secured by manually pushing the pin to lock position.
- The RTC-1020 CANNOT be charged via an USB connection.
- The IP65 waterproof protection may get damaged when subjected to shock greater than levels tested in MIL-STD-810G Method 516.6 Procedure IV. The protection may also be affected if the rubber connector fails to cover or close firmly.

## 2.3 Turning on the Device

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The power button turns your device on and off. Hold the button for one second to power on.

To start or wake from sleep mode, hold the power button for 0.5 seconds until the shutdown confirmation is shown. If the system remains unresponsive, press and hold the power button to force power off (may result in data loss). It is strongly recommended that the user back up important data regularly.

Insert the Battery Pack and make sure the battery cover is securely locked. The initial booting sequence may take several minutes to complete.

### Initial Booting Sequence

- Booting up
- AAEON Logo
- Select start with region / country / yes
- Is the right keyboard layout / country / yes
- Want to add second keyboard layout / add keyboard or skip
- Window to License Agreement / Accept
- Sign in with Microsoft? Next
- Who's going to use this PC? Name / Accept
- Create a super memorable password / Next
- Make Cortana your personal assistant? Yes / No
- Choose privacy settings for your device? Learn more / Accept
- Show Hi, and almost to run Windows 10 IoT



## 2.4 Touch Controls

Action	Description
Single Tap	A single tap is used to open files or applications, or select text input areas.
Long Tap (Tap and Hold)	Long tapping an icon allows it to be moved freely on the screen. This gesture also opens the Windows context menu, letting you cut, copy, rename, delete the selected file, or select multiple files for batch actions

## 2.5 LTE Module Assembly

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1. Remove the screws of the LTE module cover.



2. Remove the cover.



3. Remove the tape and pull up the antenna cable.



4. Slide the LTE module into the socket.



5. Secure the LTE module with the attached screws.



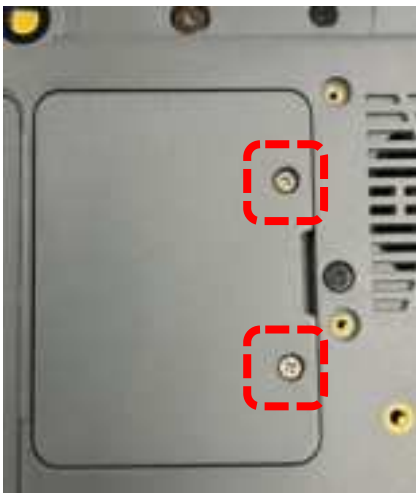
6. Attach the antenna cable to the MAIN connector of the LTE module.



7. Put the LTE module cover back.



8. Secure the cover with screws.



## 2.6 COM Port Pin Definition (RS-232/422/485)



Serial Port Pin Definition			
Pin No	RS-232	RS-485	RS-422 & 485 1T/1R
1	DCD	DATA-	TX-
2	RX	DATA+	TX+
3	TX		RX+
4	DTR		RX-
5	GND		
6	DSR		
7	RTS		
8	CTS		
9	RI		

**Note:** COM Port Mode (RS-232, RS-422, RS-485) can be set in the system BIOS. After entering the BIOS, go to the Main Menu, then select "COM PORT MODE" to change the settings.

# Chapter 3

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System Settings

### 3.1 Settings Screen

The Settings screen allows you to configure the settings of your RTC-1020 which includes:

Main Category	Sub Category
System	Display
	Notifications
	Apps
	Power
Device	Bluetooth
	Printers
	Mouse
Networks & Internet	Wi-Fi
	Airplane Mode
	VPN
Personalization	Background
	Lock Screen
	Colors
Accounts	Your Account
	Sync Settings
	Work
	Family
Time & Language	Speech
	Region
	Date



Main Category	Sub Category
Ease of Access	Narrator
	Magnifier
	High Contrast
Privacy	Location
	Camera
Update & Security	Windows Update
	Recovery
	Backup

To Enter the Settings Screen

From Home Screen



1. Reveal the Charm Bar.



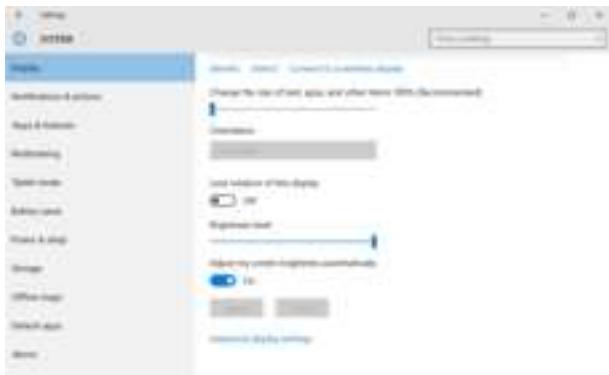
2. Tap **Settings**.



## 3.1.1 System

### Configure the Display

1. Go to **Settings > System > Display**



#### Change Size:

Adjust the display size for text, apps, and other items (default 100%)

#### Lock Rotation:

Lock rotation of display. Turning this on will prevent the screen from automatically rotating when device is held in a different orientation.

#### Brightness:

Enable automatic adjustment of screen brightness based on input from the light sensor.

1. Go to **Settings > System**
2. Select **Notifications & actions**



Select which notifications the system will display and whether to display on the lock screen.

### **Applications:**

Enable displaying notifications from applications.

### **Lock Screen:**

Enable displaying notifications on the lock screen.

### **Show Alarms, Reminders, Incoming VOIP calls:**

Enable showing these notifications on the lock screen

## Configure Apps & Features

1. Go to **Settings> System> Apps & features**



This menu allows the user to view how much memory each application is using. Apps can also be moved or uninstalled from this menu.

## Configure Power & Sleep

1. Go to **Settings> System**



2. Select **Power & sleep**

System power settings can be set here, including idle time before turning off screen or entering sleep mode.

## 3.1.2 Device

### Printers & Scanners

1. Go to **Settings> Devices**.



2. Select **Printers & scanners**.
3. You can add a printer or scanner from this menu.

### Manage Bluetooth Devices

1. Go to **Settings> Devices> Bluetooth**.



This screen allows the user to turn Bluetooth on or off, as well as pair with available Bluetooth devices.

### 3.1.3 Network & Internet

#### Wi-Fi Settings

1. Go to **Settings**> **Network & Internet**> **Wi-Fi**.



2. Select the Wi-Fi network or access point you wish to connect to.
3. Type in the password and tap **Connect**

#### Configure Airplane Mode

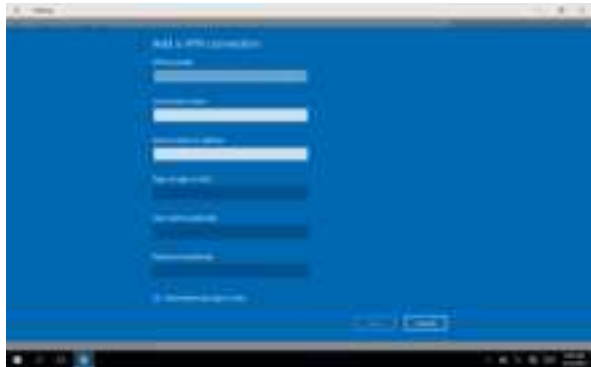
1. Go to **Settings**> **Network & Internet**> **Airplane Mode**.



Enable Airplane Mode to stop all wireless communication, or select which wireless devices to disable.

## Configure VPN

1. Go to **Settings> Network & Internet> VPN**.



Use this screen to add or configure a VPN connection.

### 3.1.4 Personalization Settings

## Background/Colors/Lock screen

1. Go to **Settings> Personalization**.



Set the device's background, colors, lock screen, theme, and Start Menu settings.



## 3.1.5 User Accounts

---

### Configure User Accounts

1. Go to **Settings**> **Accounts**.



Use this menu to manage user accounts and settings.

**Note:** Only accounts with Administrator privileges can manage settings for other users.

### 3.1.6 Time & Language Settings

#### Configuring Date & Time

1. Go to **Settings>Time & Language**.



Set the device's date and time, time zone and time format here.

### 3.1.7 Ease of Access Settings

#### Accessibility Settings

1. Go to **Settings> Ease of Access**.



Enable and configure Ease of Access utilities for system accessibility.

### 3.1.8 Privacy Settings

#### Change Privacy Options

1. Go to **Settings>Privacy**.



Configure privacy settings, including what information is shared with applications.

### 3.1.9 Update & Security

#### Windows Updates

1. Go to **Settings> Update & Security**.



Configure Windows Update, Windows Defender and other system resources.

# Chapter 4

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Accessories

## 4.1 Barcode Scanner

The barcode scanner accessory enables the RTC-1020 to read barcodes to perform various actions. **Note:** the barcode scanner does not ship with any software or SDKs.

Perform the following test to check if the scanner is working:

- 1. Open the Notepad application
- 2. Scan a barcode
- 3. If the scanner is working, the code will be entered as text into Notepad

For detailed specifications and operating instructions, please refer to the bar code scanner manual in the driver disk provided.

You can scan the barcode below to change the USB interface type.



# Appendix A

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Statements

## A.1 Statements

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### 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.

**CAUTION:**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

**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, or SAR. The SAR limit set by the FCC is 1.6 W/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 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](http://www.fcc.gov) after searching on FCC ID: OHBRTC1010-A11



## A.2 Safety Caution

---

### Important Safety Instructions

#### Power Safety Requirement

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

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 this product 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 3A et pesant plus de 1Kgs doivent utiliser un cordon d'alimentation approuvé égal ou supérieur à VCTF, 3G ou 0.75mm<sup>2</sup>*





*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.*
- *Eviter 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.3 Battery Disposal

	<p>There is a risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.</p> <p><i>Il y a un risque d'explosion si la batterie est remplacée par un autre type incorrect.</i></p> <p><i>Disposer de la batterie en accord avec les instructions.</i></p>
	<p>This symbol indicates that the battery should NOT be placed in municipal waste.</p>
	<p>DO NOT dispose of the tablet via municipal waste. This product is designed for the 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.</p>
	<p>SAFE TEMP : The RTC-1020 should only be used in environments between -20°C (-4°F) and 50°C (122°F).</p>

## A.4 Battery Caution

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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.

*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.*

### 1. User Manual

Read the user manual before using the battery pack. Maintain a copy of the manual for reference as needed.

### 2. Exposure to Sunlight

Do not use, charge or store battery pack in direct sunlight, or leave in a vehicle unattended. This may shorten the battery's life, reduce charging capacity, or cause the battery to generate heat or catch fire.

### 3. Static Electricity

The battery pack features a protection circuit designed to prevent damage to the battery pack during normal use. Do not use or store near sources of static electricity (greater than 100V), as this may damage the protection circuit, resulting in damage to the battery pack, battery rupture, or fire.

### 4. Charging Temperature Range

Recommended charging temperature range is 10°C to 45°C. Do not charge the battery pack outside of the recommended range, as this may shorten the battery's life, reduce charging capacity, damage the battery pack, or cause it to generate heat.

## 5. Charging Method

If using a charging dock or accessory, please read the user manual for the charger before use and follow the recommended charging methods in that manual.

## 6. First Time Use

If you are using a battery pack for the first time and notice rust, bad smell, or something abnormal (ex: inflated), DO NOT USE the battery pack. Contact the vendor for immediate replacement.

## 7. Leakage

If the battery pack is leaking and the fluid comes in contact with clothing or skin, immediately wash with fresh water. The battery fluid may cause skin irritation.

## 8. Storage Conditions

When storing a battery pack for long periods of time, store in a dry place with no exposure to corrosive gases, within the following temperature ranges:

Less than 1 month, -20°C to 50°C

Less than 3 months, -20°C to 40°C

Less than 1 year, -20°C to 20°C

Check regularly to ensure there is no condensation on the battery pack.

## 9. Long Term Storage Maintenance

When storing battery packs for long periods of time, in order to maintain battery pack life and charging capability, the battery pack should be charged to 50% capacity every 30-45 days.

If the battery pack remains in under-voltage state for a long time, DO NOT use fast charging. It is recommended that you ship the battery to AAEON for inspection before use.

10. Do not use the battery pack if any part of it is protruding or inflated. Replace with a new battery pack immediately.
11. If the battery pack cannot be charged (won't hold a charge, system is unable to charge it), replace the battery pack with a new one immediately.
12. AAEON suggests replacing the battery pack after one year to ensure consistent performance of your rugged tablet device.

## A.5 Adapter Caution

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This RTC is for use with model NO. FSP036-DHAN3 (AAEON Part number: 1255300365)

*Ce modèle RTC est à utiliser avec le modèle n° FSP036-DHAN3. (AAEON Référence: 1255300365)*

## A.6 FCC Interference Statement

This equipment 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 does cause 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 the 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the 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.

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

**IMPORTANT NOTE:**

**Federal Communication Commission (FCC) Radiation Exposure Statement**

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

**A.7 Regulatory Information and Disclaimers**

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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.