



Asus AAEON RTC-1010 User Manual

Rugged tablet computer

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Summary of Contents for Asus AAEON RTC-1010

[Page 1](#) RTC-1010 Rugged Tablet Computer User's Manual 8 Last Updated: June 18, 2021...

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[Page 3](#) Acknowledgement All other product names or trademarks are properties of their respective owners. Intel®, Celeron®, and Pentium® are registered trademarks of Intel Corp. •

Windows™, Windows 10, and the Windows logo are registered trademarks of • Microsoft Corporation Bluetooth® is a registered trademark of the Bluetooth Special Interest Group •...

[Page 4](#) Packing List Before setting up your product, please make sure the following items have been shipped: Item Quantity RTC-1010 • 12V power adapter (power cord ordered separately) • If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

[Page 5](#) About this Document 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 for the latest version of this document.

[Page 6](#) Safety Precautions Please read the following safety instructions carefully. It is advised that you keep this manual for future references All cautions and warnings on the device should be noted. Make sure the power source matches the power rating of the device. Position the power cord so that people cannot step on it.

[Page 7](#) Liquid intrusion to the device iii. Exposure to moisture Device is not working as expected or in a manner as described in this manual The device is dropped or damaged Any obvious signs of damage displayed on the device DO NOT LEAVE THIS DEVICE IN AN UNCONTROLLED ENVIRONMENT WITH TEMPERATURES BEYOND THE DEVICE'S PERMITTED STORAGE TEMPERATURES (SEE CHAPTER 1) TO PREVENT DAMAGE.

[Page 8](#) FCC Statement 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.

[Page 9](#) China RoHS Requirements (CN) 中国RoHS符合性声明 AAEON System QO4-381 Rev.A0 符合性声明 符合 符合 符合 符合 符合 符合 (PBDE) (Pb) (Hg) (Cd) (Cr(VI)) (PBB) 符合 × ○ ○ ○ ○ ○ 符合 × ○ ○ ○ ○ 符合 ○ ○...

[Page 10](#) China RoHS Requirement (EN) Hazardous and Toxic Materials List AAEON System QO4-381 Rev.A0 Hazardous or Toxic Materials or Elements Component Name PCB and Components Wires & Connectors for Ext.Connections Chassis CPU & RAM HDD Drive LCD Module Optical Drive Touch Control Module Battery This form is prepared in compliance with the provisions of SJ/T 11364.

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[Page 13: Chapter 1 - Product Specifications](#)

Chapter 1 Chapter 1 - Product Specifications...

[Page 14: Specifications](#)

Specifications System Intel® Celeron® N3350 1.1GHz Dual core up Processor to 2.4GHz Intel® Pentium® N4200 1.1GHz Quad core up to 2.5GHz Windows® 10 IOT Enterprise SAC Operating System Onboard DDR3L 4GB (Default) Memory eMMC 64GB (up to 256GB optional) Storage 10.1"...

[Page 15](#) System LTE via Mini Card slot (Optional) WWAN (Optional) 2MP front camera Camera 8MP rear camera with flash G-sensor Sensors E-compass Gyro-sensor Light-sensor Internal Mini Card slot x 1 Expansion Slot Mini Card slot x 1 Docking connector: USB2.0 x 1 2D Barcode

scanner, OPTICON MDI-4100-USB Barcode Scanner (Optional) (Optional)

[Page 16](#) Mechanical Black & Dark Gray Color 10.71" x 7.48" x 0.80" (272.0 mm x 190.0 mm x Dimension (W x H x D) 20.4 mm) 2.2 lbs. (1.0 kg) based on configuration Gross Weight Environmental -4°F ~ 122°F (-20°C ~ 50°C) Operating Temperature -67°F ~ 158°F (-55°C ~ 70°C) Storage Temperature...

[Page 17](#) Power Supply AC 100 ~ 240 V, 50 ~ 60 Hz AC/DC Adapter Output: 12V/ 3A/ 36W Li-ion Battery 8-hour battery life based on test Battery Life configurations Hot-swappable battery: 14.4V, 2270mAh, 32.7W Primary Battery 7.4V, 1530mAh, 11.3W Secondary Battery Display 10.1"...

[Page 18: Chapter 2 - Getting Started](#)

Chapter 2 Chapter 2 – Getting Started...

[Page 19: Product Overview](#)

Product Overview Front View Function Description Power Button (1) Power on or Shut down device (2) Enter Sleep mode NFC Reader Support ISO/IEC 14443A/B, ISO/IEC 15693, MIFARE and FeliCa 2MP Camera 1080p FHD Webcam Light Sensor Ambient Light Sensor Volume Up Speaker volume up Volume Down Speaker volume down...

[Page 20](#) Side View (Left) Function Description DC-in Jack Input: DC 12V USB3.0 Type A x 1, Type-C x 1 Audio Jack 3.5 mm stereo headphone jack HDMI Micro HDMI SIM Card Slot Micro SIM card only SD Card Slot Micro SD card only, Support up to SDXC 2D Barcode Scanner 1D / 2D Barcode Scanner Chapter 2 –...

[Page 21](#) Side view (Right) Function Description Smart card Reader COM Port RS232/422/485 RJ45 USB2.0 Type A x 2 Docking Connector Dock with RDS-411 Kensington Lock Device lock Chapter 2 – Getting Started...

[Page 22](#) Rear View Function Description 8MP Camera With LED Flash Mini-card Slot For LTE module (Need to order LTE version) Battery Bay Hot-swappable Battery x 1 Chapter 2 – Getting Started...

[Page 23: Notes Before Use](#)

Notes before use 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-1010 only. •...

[Page 24: Turning On The Device](#)

Turning on the Device 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).

[Page 25: Touch Controls](#)

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

[Page 26: Lte Module Assembly](#)

LTE Module Assembly Remove the screws of the LTE module cover Remove the cover Chapter 2 – Getting Started...

[Page 27](#) Remove the tape and pull up the antenna cable Slide the LTE module into the socket Secure the LTE module with the attached screws Chapter 2 – Getting Started...

[Page 28](#) Attach the antenna cable to the MAIN connector of the LTE module Put the LTE module cover back Secure the cover with screws Chapter 2 – Getting Started...

[Page 29: Com Port Pin Definition \(Rs232/422/485\)](#)

COM Port Pin Definition (RS232/422/485) Serial Port Pin Definition Pin No RS232 RS485 RS422 & 485 1T/1R DATA- DATA+ Note: COM Port Mode (RS232, RS422, RS485) 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.

[Page 30: Chapter 3 - System Settings](#)

Chapter 3 Chapter 3 – System Settings...

[Page 31: Settings Screen](#)

Settings Screen The Settings screen allows you to configure the settings of your RTC-1010 which includes: Main Category Sub Category Display Notifications System Apps Power Bluetooth Device Printers Mouse Wi-Fi Networks & Internet Airplane Mode Background Personalization Lock Screen Colors Your Account Sync Settings Accounts...

[Page 32](#) Main Category Sub Category Location Privacy Camera Windows Update Update & Security Recovery Backup Chapter 3 – System Settings...

[Page 33](#) To enter the Settings screen From Home Screen 1. Reveal the Charm Bar. 2. Tap Settings Chapter 3 – System Settings...

[Page 34: System](#)

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.

[Page 35](#) Configure Notifications 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 Chapter 3 –...

[Page 36](#) 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.

[Page 37: Device](#)

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.

[Page 38: Network & Internet](#)

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.

[Page 39: Personalization Settings](#)

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. Chapter 3 –...

[Page 40: User Accounts](#)

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. Chapter 3 – System Settings...

[Page 41: Time & Language Settings](#)

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.

[Page 42: Privacy Settings](#)

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 3 –...

[Page 43: Chapter 4 -Accessories](#)

Chapter 4 Chapter 4 –Accessories...

[Page 44: Barcode Scanner](#)

Barcode Scanner The barcode scanner accessory enables the RTC-1010 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: Open the Notepad application Scan a barcode 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...

[Page 45: Appendix A - Statements](#)

Appendix A Appendix A - Statements...

[Page 46: Statements](#)

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.

[Page 47](#) 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.

[Page 48: Canadian Notice](#)

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.

[Page 49: Safety Caution](#)

A.3 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 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, •...

[Page 50: Battery Disposal](#)

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.4 Battery Disposal There is a risk of explosion if the battery is replaced by an incorrect type.

[Page 51: Battery Caution](#)

A.5 Battery 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. 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.

[Page 52](#) 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.

[Page 53: Adapter Caution](#)

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.

[Page 54: Fcc Interference Statement](#)

A.7 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.

[Page 55: Regulatory Information And Disclaimers](#)

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.8 Regulatory Information and 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.