

AIM-37AC Series
Startup Manual

AIM-37AC Appearance

AIM-37-AC-MXXXX



AIM-37-AC-SXXXX



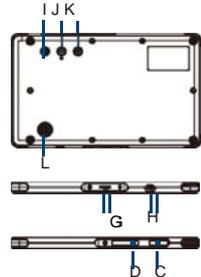
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 Search keywords AIM-37AC

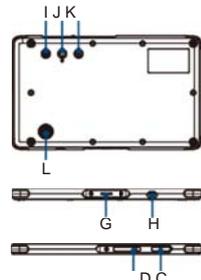
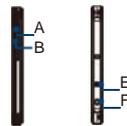
This manual is for AIM-37AC Series.

1st
 Edition
 Dec 2017

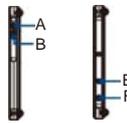
I/O Ports



- AIM-37AC-MXXXX I/O Ports
- A: Magnetic Swipe Reader
 - B: IC Card Reader
 - C: Optional Barcode Scanner
 - D: Micro SD Card Slot
 - E: 3.5mm Combo Audio Jack
 - F: Kensington Lock Slot
 - G: Pogo Pin
 - H: Micro USB
 - I: Scanner Trigger
 - J: 5MP Camera with LED Flash
 - K: Power Button
 - L: Speaker



- AIM-37AC-SXXXX I/O Ports
- A: Volume Up
 - B: Volume Down
 - C: Optional Barcode Scanner
 - D: Micro SD Card Slot
 - E: 3.5mm Combo Audio Jack
 - F: Kensington Lock Slot
 - G: Pogo Pin
 - H: Micro USB
 - I: Scanner Trigger
 - J: 5MP Camera with LED Flash
 - K: Power Button
 - L: Speaker



Easy Setup

Power On Computer

1. Charge the embedded battery of the computer: Connect the Micro USB adaptor on the AIM-37AC computer. ("H" on the I/O Ports section.) Please charge for at least one hour when you use this computer for the first time.
2. Push the Power button ("K" on the I/O Ports section.) for 3 seconds to start the computer.
3. While the computer is running, push the power button for 1 second will enter sleep mode for power saving. Push the power button again will enable the backlight again.

Safety Instructions

Please read these safety instructions carefully and follow these instructions for use. Repair of the device may only be carried by trained service personnel. Advantech recommends that a service contact be obtained with Advantech service and that all repairs also be carried out by them; otherwise the correct functioning of the device may be compromised.

WARNING! Because of the danger of electrical shock, never remove the cover of a device while it is in operation or connected to a power outlet.

Use a damp cloth to clean the equipment and do not spray detergent on the surface. Disconnect the equipment from any AC outlet before cleaning.

If one of the following situations arises, have the equipment checked by service personnel:

- The AC power adapter is damaged.
- The equipment does not power up even after charging.
- The equipment has obvious signs of breakage.

CAUTION! Do not replace the battery yourself. Please contact a qualified technician or your retailer. There is a danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by the manufacturer.

FCC Compliance Statement

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 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.

To assure continued compliance, any changes or modifications not expressly approved by the party

responsible for compliance could void the user's authority to operate this equipment. (Example: use only shielded interface cables when connecting to computer or peripheral devices).

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment.

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

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment for body-worn configuration in direct contact to the phantom.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

IC warning statement

CAN ICES-3 (B)/NMB-3(B)

This device complies with Industry Canada's licence-exempt RSSs. 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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This radio transmitter has been approved by Industry Canada to operate with the

antenna types listed below with the maximum permissible gain and required antenna impedance are strictly prohibited for use with this device

Le present emetteur radio a ete approuve par Industrie Canada pour fonctionner avec les types d'antenne enumeres ci-dessous et ayant un gain admissible maximal et l'impedance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est superieur au gain maximal indique, sont strictement interdits pour l'exploitation de l'emetteur.

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in IC RSS-102. This equipment should be installed and operated with minimum distance 0 cm between the radiator & your body.

Cet EUT est la conformite avec SAR pour la population generale / les limites d'exposition incontrollees dans IC RSS-102. Cet equipement doit etre installe et utilise a une distance minimale de 0 cm entre le radiateur et votre corps.

NCC Warning Statement

Article 12

Without permission, any company, firm or user shall not alter the frequency, increase the power, or change the characteristics and functions of the original design of the certified lower power frequency electric machinery.

Article 14

The application of low power frequency electric machineries shall not affect the navigation safety nor interfere a legal communication, if an interference is found, the service will be suspended until improvement is made and the interference no longer exists.

Safety Instructions

1. Read these safety instructions carefully.
2. Keep this user manual for later reference.
3. Disconnect this equipment from AC outlet before cleaning. Do not use liquid or spray detergents for cleaning.
4. Keep this equipment away from hazard locations.
5. Put this equipment on a reliable surface during installation. Dropping it or letting it fall could cause damage.
6. Do not leave this equipment in an environment unconditioned where the storage temperature under -10 °C or above 60 °C, it may damage the equipment.
7. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
8. Place the AC power adapter such a way that people cannot step on it. Do not place anything over the power adapter.
9. All cautions and warnings on the equipment should be noted.
10. If the equipment is not used for long time, disconnect it from the power source to avoid being damaged by transient over-voltage.
11. Never pour any liquid into MSR/IC Card reader slots of the AIM-37AC-MXXXXXXXXXXXX Series. This could cause fire or electrical shock.
12. Never open or disassemble the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
13. If any of the following situations arises, get the equipment checked by service personnel:
 - a. The power adapter plug is damaged.
 - b. Liquid has penetrated into the equipment.
 - c. The equipment has been exposed to moisture.
 - d. The equipment does not work well or you cannot get it to work according to user manual.
 - e. The equipment has obvious signs of breakage.
14. This product is intended to be supplied by a Listed Power Adapter or DC power source, rated 5Vdc, 3A minimum and Tma 50 degree C, if need further assistance, please contact Advantech for further information

Battery Safety

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

Mistreat the battery used in this device may present a risk of fire or chemical burn. Do not attempt to disassemble the computer or its accessories.

Only qualified personal is allowed to replace the battery.

Do not dispose batteries in a fire and check with local authorities for disposal instructions.

AIM-37AC can only be equipped with standard battery pack with TCL PR-396698G 7,900 mAH Polymer Lithium Ion Battery. Use of another battery may present a risk of fire or explosion.

Battery Charge Notice

It is important to consider the environment temperature whenever you are charging the Lithium-Ion battery pack. The process is more efficient at normal room temperature or slightly cooler. It is essential that you charge batteries within the stated range of 0°C to 40°C. Charging batteries outside of the specified range could damage the batteries and shorten their charging life cycle.

Storage and Safety Notice

Although charge Lithium-Ion batteries may be left unused for several months, their capacity may be depleted due to the buildup of internal resistance. If this happens they will require recharging prior to use. Lithium Ion batteries may be stored at temperatures between -10°C to 60°C, however they may be depleted more rapidly at the high end of this range. It is recommended to store AIM-37AC within normal room temperature ranges.

WEEE

EN



Following information is only for EU-member states:

The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product

ENERGY STAR

An ENERGY STAR qualified computer delivers substantial savings over a conventional computer. Desktop, integrated desktop, and notebook (laptop) computers, workstations, small-scale servers, and thin clients are all eligible to earn the ENERGY STAR, and those that do are now more efficient than ever.

It is an honor for Advantech to provide you such products.

What is ENERGY STAR?

ENERGY STAR is a U.S. Environmental Protection Agency (EPA) voluntary program that helps businesses and individuals save money and protect our climate through superior energy efficiency. The ENERGY STAR program was established by EPA in 1992, under the authority of the Clean Air Act Section 103(g). Section 103(g) of the Clean Air Act directs the Administrator to "conduct a basic engineering research and technology program to develop, evaluate, and demonstrate non-regulatory strategies and technologies for reducing air pollution."

In 2005, Congress enacted the Energy Policy Act. Section 131 of the Act amends Section 324 (42 USC 6294) of the Energy Policy and Conservation Act, and "established at the Department of Energy and the Environmental Protection Agency a voluntary program to identify and promote energy-efficient products and buildings in order to reduce energy consumption, improve energy security, and reduce pollution through voluntary labeling of or other forms of communication about products and buildings that meet the highest energy efficiency standards."

For more information, please visit www.energystar.gov

The product is to enter display sleep mode after 4 minutes and computer sleep mode after 10 minutes in default, to wake it from sleep mode, simply press the power button on the back cover, while under sleep mode it allows the device to save 80% or more energy.

Power Management System:

Default mode is on balanced, after idle for 4 minutes, it will automatically shut its Monitor and enter sleep mode if idle for more than 10 minutes.

Lists of default power management systems:

<i>Balanced (Default)</i>	<i>Idle 4 min. closes screen, 10 min. enters sleep mode.</i>
<i>High performance</i>	<i>Never idle and never enters sleep mode.</i>