

Tablet PC

AIM-68H Series

Startup Manual

AIM-68H Appearance



Up: Front View

Down: Rear View

For more information on this and other Advantech products, please visit our website at:

<http://www.advantech.com>

For technical support and service, please visit our support website at:

<http://support.advantech.com>

This manual is for AIM-68H Series

First Edition
Jul 2024

Description of Parts



1. Front Camera (5MP)
2. NFC Reader
3. Ambient Light Sensor
4. Digital Mic
5. Audio Jack (Headset Combo)
6. USB 3.1 Gen 2 Type-C
7. USB 3.1 Gen 2 Type A
8. Docking Pogo
9. Programmable Button
10. Volume Button
11. Power Button
12. Barcode Scanner (Optional)
13. Rear Camera with LED Flash
14. Swappable Battery
15. Add On Extension Pogo
16. Speaker

Easy Setup

Power On Computer

1. Model: AIM-68H Rating 20 Vdc / 3.25 A
2. This product is intended to be supplied by a UL Listed Power Adapter (FSP065M-DUA) for model AIM-68H. Please contact Advantech for further information and assistance.
3. Push the Power button for 3 seconds to start the computer.
4. The product is equipped with a 10.1" Capacitive Touch Panel. Use finger to touch the following Active Area to operate the computer.
5. The product is equipped with two LED indicator for power status and barcode scanning status.
Power LED:
 - a) The Orange LED blinks when internal battery capacity is below 10% to warn the user to charge.
 - b) The Blue LED lights up when internal battery is being charged.
 - c) The Green LED lights up when internal battery is full.Barcode LED: When built barcode scan successfully, BCR LED will flash red color,
6. While the computer is running, push the power button for 1 second will disable LCD backlight for power saving. Push the power button again will enable the backlight again; press the power button for 10 seconds while computer is running, the system will shut down.
7. Environment:
 - Input Rating: 100-240Vac, 1.8A-1.0A, 50-60Hz
 - Operating Temperature : 0°C ~ +40 °C
Charging: 0°C ~ +40 °C;
Handheld: 0°C ~ +35 °C
 - Operating Temperature : 0°C ~ +40 °C
 - Operating Humidity : 10% ~ 90%@40°C non-condensed
 - Storage/Transportation Temperature : -20°C ~ +60°C
 - Storage/Transportation Humidity : 10% ~ 95%@40°C non-condensed
 - Humidity consider to 25°C, 48 hrs
 - Number and type of Means of Protection : MOPP Altitude 3000m
 - Atmospheric pressure : 700-1013 hPa (for operating); 500-1060 hPa (for Storage/Transportation)
 - IP level: IP65

If encounter any of system failure or serious incident in relation to device, please report to the manufacturer or

local agent.

Battery Caution

CAUTION!

Danger of explosion if battery is incorrectly replaced. Replace only with the same type recommended by the manufacturer, discard used batteries according to the manufacturer's instructions.

- (1) leaving a BATTERY in an extremely high temperature surrounding environment that can result in an EXPLOSION or the leakage of flammable liquid or gas
- (2) a BATTERY subjected to extremely low air pressure that may result in an EXPLOSION or the leakage of flammable liquid or gas.

Attention : Danger d'explosion si la batterie est inexactement remplacée. Remplacez seulement avec la même chose ou le type recommandé par le fabricant, jettent les batteries utilisées instructions de s selon fabricant des'.

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-68H can only be equipped with standard battery pack with Advantech, AIM-68H-BAT, 4010mAh, Li-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 Li-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 Li-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 Li-ion batteries may be stored at temperatures between -20°C to 60°C, however they may be depleted more rapidly at the high end of this range. It is recommended to store AIM-68H within normal room temperature ranges.

Warnings, Cautions and Notes

Warning!



A **WARNING** statement provides important information about a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Avertissement!



Une déclaration d'AVERTISSEMENT fournit des informations importantes sur une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner la mort ou des blessures graves.

Caution!



A **CAUTION** statement provides important information about a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or in damage to the equipment or other property.

Attention!



Une déclaration de MISE EN GARDE fournit des informations importantes sur une situation potentiellement dangereuse qui, si elle n'est pas évitée, peut entraîner des blessures mineures ou modérées pour l'utilisateur ou le patient ou endommager l'équipement ou d'autres biens.

Note!



A **NOTE** provides additional information intended to avoid inconveniences.

Details for preparatory treatment or disposal

Installation is only to be carried out by manufacturer authorized and trained personnel.

Calibration the device

- We suggest to send back to supplier for annually check.

Safety Instructions

1. Strictly follow these instructions for use; please read these safety instructions carefully.
2. Keep this user manual for later reference; any use of the product requires full understanding and strict observation of all portions of these instructions. Observe all.
3. Repair of the device may also only be carried out by trained service personnel.
4. Advantech recommends that a service contract 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 electric shock, never remove the box of a device while it is in operation or connected to a power outlet.

Avertissement!



En raison du risque d'électrocution, ne retirez jamais la boîte d'un appareil lorsqu'il est en fonctionnement ou branché à une prise de courant.

5. If one of the following situations arises, get the equipment checked by service personnel:

- The power cord or plug is damaged.
- Liquid has penetrated into the equipment.
- The equipment has been exposed to moisture.
- The equipment does not work well, or you cannot get it to work according to the user manual.
- The equipment has been dropped and damaged.
- The equipment has obvious signs of breakage.

6. Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning and keep this equipment away from humidity.

Caution!



To avoid short-circuits and otherwise damaging the device, do not allow fluids to come in contact with the device. If fluids are accidentally spilled on the equipment, remove the affected unit from service as soon as possible and contact service personnel to verify that patient safety is not compromised.

Attention!



Pour éviter les courts-circuits et endommager l'appareil, ne laissez pas les liquides entrer en contact avec l'appareil. Si des liquides sont accidentellement répandus sur l'équipement, retirez l'unité concernée du service dès que possible et contactez le personnel de service pour vérifier que la sécurité du patient n'est pas compromise.

7. Put this equipment on a reliable surface during installation. Dropping it or letting it fall may cause damage. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.

Caution!



Do not leave this equipment in an uncontrolled environment where the Storage temperature is below 0° C or above 45° C. This may damage the equipment.

Attention!



Ne laissez pas cet équipement dans un environnement non contrôlé où la température de stockage est inférieure à 0 ° C ou supérieure à 45 ° C. Ceci pourrait endommager l'équipement.

8. Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "Hospital Only" or "Hospital Grade". And, the equipment power cord shall be connected to a socket-outlet with earthing connection.
9. Use a power cord that matches the voltage of the power outlet, which has been approved and complies with the safety standard of your particular country.
10. If the integrity of the protective earth conductor is in doubt. Please turn off the power switch.
11. To disconnect this product from the mains supply disconnects the mains plug from the socket outlet. The power supply is regarded as part of this equipment.
12. Make sure user not to contact SIP/SOPs and the patient at the same time.
13. Do not switch on/off the power switch of the battery system during operation.

Warning!



To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

Avertissement!



Pour éviter tout risque d'électrocution, cet équipement doit uniquement être raccordé à une alimentation secteur avec terre de protection.

Warning!



No modification of this equipment is allowed.

Avertissement!



Aucune modification de cet équipement n'est autorisée.

14. The power cord for use on the device shall be no less robust than ordinary tough rubber sheathed flexible cord (IEC 60245-1:2003, Annex A, designation 53) or ordinary polyvinyl chloride sheathed flexible cord (IEC 60227-1:1993, Annex A, design. 53. For the US/CA the requirements of the NEC and Canadian code shall be followed (US and CA national differences).

Warning!



Battery system, equipotential pin, metal wiring on equipotential pin, wheels and brake shall be replaced/send back to maintain by the manufacturer every two years, risks of function failure, electrical shock, equipment damage, environment pollution and etc. may occur if not doing so.

Avertissement!



Le système de batterie, la broche équipotentielle, le câblage métallique sur la broche équipotentielle, les roues et le frein doivent être remplacés / renvoyés par le fabricant tous les deux ans, les risques de défaillance de fonctionnement, les chocs électriques, les dommages matériels, etc. Ce faisant.

15. If your computer clock is unable to keep accurate time, please check the battery.

Caution!



When the battery has problem of charging. Please contact a qualified technician or your retailer.

The computer is provided with a battery-powered real-time clock circuit.

There is a danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by the manufacturer.

Discard used batteries according to the manufacturer's instructions.

Attention!



Lorsque la batterie a un problème de charge. Veuillez contacter un technicien qualifié ou votre revendeur.

L'ordinateur est équipé d'un circuit d'horloge en temps réel alimenté par batterie.

Il y a un risque d'explosion si la batterie est incorrectement remplacée.

Remplacez uniquement par le même type ou un type équivalent recommandé par le fabricant.

Jetez les piles usagées conformément aux instructions du fabricant.

Caution!



When servicing the device, always use replacement parts that meet Advantech standards. Advantech Medical cannot warrant or endorse the safe performance of third-party replacement parts for use with our medical device.

Attention!



Lors de la maintenance de l'appareil, utilisez toujours des pièces de rechange conformes aux normes Advantech. Advantech Medical ne peut pas garantir ou endosser les performances sécuritaires des pièces de rechange

tierces à utiliser avec notre dispositif médical.

16. Make sure the user does not allow contact between SIP/SOPs and the patient at the same time.
17. If battery pack is not used for 6 months, it is recommended to remove the battery pack from equipment.
18. It is suggest to recharge the battery pack every 6 months if it is not used.
19. Follow national, state or local requirements to dispose of unit.
20. Maintenance: to properly maintain and clean the surfaces, use only the approved products or clean with a dry applicator.
21. When networking with electrical devices, the operator is responsible for ensuring that the resulting system meets the requirements set forth by the following standards:

- EN 60601-1 (IEC 60601-1)

Medical electrical equipment

Part 1: General requirements for safety

- EN 60601-1-2 (IEC 60601-1-2)

Medical electrical equipment

Part 1-2: General requirements for safety

Collateral standard: Electromagnetic compatibility; Requirements and tests

22. Contact information:
No.1, Alley 20, Lane 26, Rueiguang Road
Neihu District, Taipei, Taiwan 114,
R.O.C.
TEL: +886 2-7732-3399
23.  MEDICAL-GENERAL MEDICAL EQUIPMENT
AS TO ELECTRICAL SHOCK, FIRE AND MECHANICAL
HAZARDS ONLY IN ACCORDANCE WITH:
ANSI/AAMI ES 60601-1 (2005) + AMD 1 (2012)
CAN/CSA-C22.2 No.60601-1:14
24. This equipment shall not be used as a life support system.
25. Use a power cord that matches the voltage of the power outlet, which has been approved and complies with the safety standard of your particular country.
26. Do not place the power cord where it is difficult to disconnect and may be stepped by other person

Note!



Environmental protection.

Follow national requirements to dispose of unit.

27. "WARNING - Do not modify this equipment without authorization of the manufacturer."
28. "WARNING – To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
29. "CAUTION: This adapter FSP065M-DUA is a forming part of the device."
30. Remove the power cord to fully turn off the device when the battery pack is empty.
31. Classification:
 - 1). Class I
 - 2). No applied part

- 3). Continuous Operation
32. CAUTION! This product: AIM-68H is used with the Qualified & certificated power adapter: FSP065M-DUA. Input: 100-240Vac, 1.8A-1.0A, 50-60Hz
Output:5Vdc/3A or 9Vdc/3A or 12Vdc/3A or 15Vdc/3A or 20Vdc/3.25A.
33. DISCLAIMER: This set of instructions is given according to IEC 704-1. Advantech disclaims all responsibility for the accuracy of any statements contained herein.
34. In case of serious incident that has occurred, please contact the manufacturer and local authorities immediately.
Notice: It is recommended to install the appropriate soft if have any question, please contact the manufacturer for further assistance.
Notice: To prevent unauthorized access, it is recommended to install suitable anti-virus software or do not connect to unsafe external networks

Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 56, dated (Insert date of this guidance.)








CLASS 1 LASER PRODUCT

















IEC 60825-1:2014

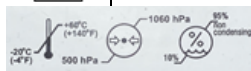
Caution - Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure

Attention - L'utilisation des commandes ou réglages ou l'exécution des procédures autres que celles spécifiées dans les présents exigences peuvent être la cause d'une exposition à un rayonnement dangereux

Explanation of Graphical Symbols

	IEC 60878 and ISO 3864-B.3.6: Warning dangerous voltage
	ISO 7000-0434: Caution, consult ACCOMPANYING DOCUMENTS
	ISO 7000-1641: Follow operating instructions or consult instructions for use
	IEC 60417-5009: STAND-BY
	IEC 60417-5032: Alternating Current
	IEC 60417-5031: Direct Current
	ISO 7010-M002: Follow instructions for use

	CE Marking
	FCC Marking
	CCC Marking
	UL Marking
	A-Tick and C-Tick logo- Australia EMC Marking
	VCCI Marking
	China RoHS 10 year life time Symbol
	BSMI Marking
	Directive 2012/19/EU : The WEEE Symbol
	E-Mark
	TELEC Marking
	NCC Marking
	Serial Number Marking
	Production Identifier: Lot Number Marking
	GTIN code Symbol
	Manufacture Date (YYMMDD) Marking
	European Authorized Representative Marking
	Swiss Authorized Representative Marking
	Medical Device Marking



Packaging Marking
(Temperature, Atmospheric Pressure and Humidity)

Tablet Specifications

CPU	Alder Lake-N N200
Memory/Storage	8G LPDDR5 RAM / 128G or 256G m.2 Gen3 x4 NVME SSD
OS	Windows 10 LTSC, Windows 11 (Optional)
Display	10.1" 1920×1200 LCD 800 nits with eDP 1.4, 10-point multi-touch P-CAP touch control
Multimedia	2 x internal speaker (2W)
Camera	Front: 5MP FF, Rear: 13MP with AF/LED Flashlight
Sensors	Ambient light sensor, e-compass, g-sensor, gyroscope
Barcode	Built in Barcode EM505-20 (Optional)
Add On Module	AIM extension with Standard USB 2.0
WLAN	Wifi 6E, Bluetooth® 5.3
NFC	13.56 MHz, compatible with ISO 15693, ISO 14443A, ISO 14443B, FelCa
LED	1x Power Indicator LED (Blue/Orange/Green), 1x BCR Indicator LED (Blue/Orange/Green)
Control button	1x Power button, 1x Programmable button, 1x Volume button (+/-)
IO	1x USB3.1 Type C for Charging & DP, 1x USB 3.1 type-A, 1 x combo audio jack, 1 x AIM docking pogo connector
Battery	About 45.6 Wh for 4-5 hrs battery life
RTC Battery	Rechargeable RTC Battery
TPM 2.0	Support TPM 2.0 chipset
Reliability	IP65 / 1.2m drop
Shock/Vibration	IEC60068-2-27/IEC60068-2-64
Operating Temp.	Operating Temp: 0~40 °C; Handheld: 0~35 °C; Charging: 0~40 °C; Storage: -20~60 °C

Replacing the battery pack

1. Turn off the computer and disconnect the AC adapter.
2. Carefully place the tablet upside down.
3. Remove the battery pack cover (better with tool)
4. Remove the battery pack out of the slot.



5. Insert the new battery pack all the way into the slot
6. Put the battery pack cover back

Cleaning and Disinfecting

During normal use of the AIM tablet the device may become dirty and should be regularly cleaned.

Steps:

1. Turn off AIM-68H and unplug the power cord.
2. If disinfection is not necessary, simply clean the screen and exterior with a soft, damp cloth moistened only with water. Do not pour liquid or aerosol cleaners directly onto the screen. Avoid using liquid as these can discolor the finish and damage the screen.
3. If disinfection is required, clean the screen and chassis with a soft cloth dampened with 60% or higher isopropyl alcohol or ethyl alcohol after each use.

Caution!



Attention!



Do not immerse or rinse the AIM tablet or its peripherals. If you accidentally spill liquid on the device, disconnect the unit from the power source. Contact your IT support

department regarding the continued safety of the unit before placing it back in operation-Do not spray cleaning agent on the chassis.

Do not use disinfectants that contain phenol.

Do not autoclave or clean the AIM Tablet or its peripherals with strong aromatic, chlorinated, ketone, ether, or ether solvents, sharp tools or abrasives. Never immerse electrical connectors in water or other liquids.

Operating Principle

The device provides input through touch panel, hard keys located at the bottom of it, accessories through USB ports or its LAN/WLAN connections. The device computes the input data with its processing unit and then output the generated data to LCD panel, accessories or other devices through its I/O ports or through its LAN/WLAN connections. The device is able to store data in its storage, and when the device is turned off, still maintain the data in the memory units of the storage.

Connecting the Power Cord

The AIM tablet can be powered by AC/DC power adapter. Be sure to always handle the power cords by holding the plug ends only.

Follow these procedures in order:

1. Connect the DC plug of the power adapter to AIM tablet product DC in connector.
2. Connect the 3 pin male plug of the power cord to an electrical outlet.

Disposing of Old Products

Within the European Union



EU-wide legislation, as implemented in each member state, requires that waste electrical and electronic products carrying the mark shown at left must be disposed of separately from normal household waste. This includes

monitors and electrical accessories, such as signal cables or power cords. When you need to dispose of your display products, please follow the guidance of your local authority, or ask the shop where you purchased the product, or if applicable, follow any agreements made between you and the provider.

The mark on electrical and electronic products only applies to the current European Union Member States.

Declaration of Conformity



CE Conformity Statement

Radio products with the CE alert marking comply with the RED Directive (2014/53/EU) issued by the Commission of the European Community. Compliance with this directive implies conformity to the following European Norms (in brackets are the equivalent international standards).

- EN 62368-1 (IEC62368-1) - Product Safety
- ETSI EN 300 328 Technical requirement for radio equipment
- ETSI EN 301 893 Technical requirement for radio equipment
- ETSI EN 300 330 Short Range Devices (SRD)
- ETSI EN 300 440 Short Range Devices (SRD)
- ETSI EN 303 687 6 GHz WSA/RLAN
- ETSI EN 301 489 General EMC requirements for radio equipment

Products that contain the radio transmitter are labeled with CE alert marking and may also carry the CE logo.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.advantech.com>

The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range. This device is intended for indoor use only when operating in the frequency range 5945 to 6425 MHz which is applicable in countries that support WiFi 6E.

The adapter shall be installed near the equipment and shall be easily accessible.

Caution - Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

Slave station: The transmission of radio equipment is indoors use only

Software Version ^o	V17 ^o
Maximum Power Output^o	
(2400 - 2483.5 MHz) IEEE802.11 b/g/n/ax mode Bluetooth ^o	20dBm EIRP max (100mW) ^o
(2400 - 2483.5 MHz) ↓ BLE ^o	10dBm EIRP max (10mW) ^o
(5150 - 5725 MHz) ↓ IEEE802.11 a/n/ac/ax mode ^o	23dBm EIRP max (200mW) ↓ The low band 5.15 - 5.35 GHz is for indoor use only ^o
(5725 - 5875 MHz) ↓ IEEE802.11 a/n/ac/ax mode ^o	13.98 dBm EIRP Max (25mW) ↓ For the standard EN 300 440, the device operating in 5.8 GHz is considered a category 2 receiver ^o



AT	BE	BG	CH	CY	CZ	DK	DE
EE	EL	ES	FI	FR	HR	HU	IE
IS	IT	LT	LU	LV	MT	NL	PL
PT	RO	SI	SE	SK	NI		

CE RF Exposure warning

This device meets the EU requirements (2014/53/EU)

on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organizations through regular and thorough evaluations of scientific studies. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR limit is 2.0 W/Kg averaged over 10 grams of body tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).

For next-to-body operation, this device has been tested and meets the ICNRP exposure guidelines and the European Standard EN 50566 and EN 62209-2. SAR is measured with the device directly contacted to the body while transmitting at the highest certified output power level in all frequency bands of the mobile device.

FCC Compliance 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.

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.

15.21

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.

his device is slave equipment, the device is not radar detection and not ad-hoc operation in the DFS band.

Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the Federal Communications Commission (USA). These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on 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 <https://apps.fcc.gov/oetcf/eas/reports/GenericSearch.cfm> after searching on FCC ID: M82-AIM-68H.

IC warning statement

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.

(i) the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems; (For devices installed in vehicles point i. is not required.)

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250–5350 MHz and 5650–5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

(i) l'appareil pour fonctionner dans la bande 5150-5250 MHz est réservé à une utilisation en intérieur afin de réduire les risques d'interférences nuisibles à la co-canal systèmes mobiles par satellite;

Devraient également être informés les utilisateurs que les radars à haute puissance sont désignés comme utilisateurs principaux (c.-à-utilisateurs prioritaires) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient provoquer des interférences et / ou endommager les appareils LE-LAN.

Devices shall not be used for control of or communications with unmanned aircraft systems.

Les appareils ne doivent pas être utilisés pour contrôler ou communiquer avec des systèmes d'aéronefs sans pilote.

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 conformité avec SAR pour la population générale / les limites d'exposition incontrolées dans IC RSS-102. Cet équipement doit être installé et utilisé à une distance minimale de 0 cm entre le radiateur et votre corps.

This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The portable device is designed to meet the requirements for exposure to radio waves established by the ISSED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body. Cet équipement est conforme aux limites d'exposition

aux rayonnements ISSED établies pour un environnement non contrôlé. L'utilisateur final doit suivre les instructions spécifiques pour satisfaire les normes. Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

Technical Support and Assistance

1. Visit the Advantech website at www.advantech.com/support to obtain the latest product information.
2. Contact your distributor, sales representative, or Advantech's customer service center for technical support if you need additional assistance. Please have the following information ready before calling:
 - Product name and serial number
 - Description of your peripheral attachments
 - Description of your software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wording of any error messages

Environmental protection:

Follow national requirements to dispose of unit.

Manufacturer:

Advantech Co., Ltd.
No.1, Alley 26, Lane 26, Rueiguang Road Neihu District,
Taipei, Taiwan 114, R.O.C.
TEL: (02) 2792-7818

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Visit the Advantech websites at www.advantech.com or www.advantech.com.tw if you need more information.

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Gotthardstrasse 28, 6302 Zug, Switzerland

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Westervootsedijk 60;
6827 AT Arnhem;
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UK Responsible Person

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c/o CR360 International, Compass House,
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United Kingdom

電腦 AIM-68H 系列 快速入門手冊

AIM-68H 外觀



上邊：前視圖

下邊：後視圖

如需瞭解有關本產品及研華其他產品的詳細資訊，請瀏覽我們的網站：

<http://www.advantech.com/>

如需技術服務與支援，請瀏覽我們的技術支援網站：

<http://support.advantech.com>

本手冊適用於 AIM-68H 系列。

台灣印刷

第一版
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申請商：研華股份有限公司

地址：台北市內湖區瑞光路 26 巷 20 弄 1 號

電話：02-27927818

外觀描述



- 1: 500 萬像素前置攝像頭
- 2: NFC 讀卡器
- 3: 環境光傳感器
- 4: 麥克風
- 5: 音頻插孔（耳機組合）
- 6: USB 3.1 Gen 2 Type C
- 7: USB 3.1 Gen 2 Type A
- 8: 底座接觸針
- 9: 可編程鍵
- 10: 音量鍵
- 11: 電源按鈕
- 12: 條碼掃描器(選配)
- 13: 後置攝像頭
- 14: 可更換電池
- 15: 外接模組接觸針
- 16: 喇叭

快速安裝

接通電源

1. 本產品供電使用 FSP 型號: FSP065M-DUA 的交換式電源供應器，AIM-68H 型號電源輸入額定為 20 Vdc / 3.25 A。如需進一步協助，請聯絡 Advantech 取得更多資訊。
2. 長按電源開關（外觀描述的"A"位置）3 秒鐘可以啟動電腦。
3. 當電腦運行中按下電源開關 1 秒，可以進入節能模式。此時面板背光會關閉，再次按下電源開關可以恢復面板背光；電腦運行中，長按電源開關 10 秒可強制關機。
4. 使用環境溫度:
系統充電: 0°C ~ +40°C ;
作業時: 0°C ~ +40°C ;
手持時: 0°C ~ +35°C ;
儲存時: -20°C ~ +60°C

安全指示

請嚴格按照說明書操作並仔細閱讀安全指示。只有經過訓練的維修人員才能對設備進行維修。研華建議客戶在維修時向維修人員索取維修合同，並要求維修人員進行全部維修；否則設備的正常功能將可能受到影響。

警告! 請勿在設備工作或電源接通時移除設備蓋，以防觸電。

如遇下列情況，請由專業人員來維修：

- 電源線或者插頭損壞；
- 設備內部有液體流入；
- 設備曾暴露於過於潮濕的環境中使用；
- 設備無法正常工作，或您無法通過用戶手冊來使其正常工作；
- 設備跌落或者損壞；
- 設備有明顯的外觀破損。用濕抹布清洗設備前，請從插座拔下電源線。請使用濕布擦拭設備。請勿使用液體或去污噴霧劑清潔設備。請勿在潮濕環境中使用設備。

注意! 為避免短路導致設備損壞，請勿讓液體流入設備。如有液體不慎灑入設備，請立刻移除受影響的部件並聯繫維修人員進行維修。如果電腦時鐘時間不準確，請檢查電池是否有電。

警告: 使用過度恐傷害視力

注意:

1. 使用過度恐傷害視力。
2. 使用30分鐘請休息10分鐘
3. 未滿2歲幼兒不看螢幕，2歲以上每天看螢幕不要超過1小時

NCC 警告聲明

「取得審驗證明之低功率射頻器材，非經核准，公司、商號或使

用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射

頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應

立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理

法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及

醫療用電波輻射性電機設備之干擾。」

減少電磁波影響，請妥適使用

應避免影響附近雷達系統之操作。

電池安全

注意：

未正確更換電池會有爆炸危險。更換電池時，僅可使用製造商建議的同類型電池，並請按照製造商的指示處理用過的電池。

本裝置使用過的電池若處理不當，可能會有起火或化學灼傷的風險。

請勿試圖拆解電腦或其配件。

僅限由合格人員更換電池。

請勿將電池棄置火中，並請向當地機關確認廢棄處置方式。

AIM-68H 僅可裝配標準的 Advantech型號AIM-68H-BAT 額定11.55Vdc, 4010mAh, 46.31Wh 聚合物鋰電池組。使用其他電池可能會有起火或爆炸的風險。

電池更換注意事項:

更換鋰離子電池組時，務必留意環境溫度。此流程在一般室溫或稍低溫度中效率最高。請務必在 0°C 至 40°C 的規定溫度範圍內為電池充電，若超出指定溫度範圍，可能導致電池損壞或縮短充電壽命週期。

儲存與安全注意事項:

鋰離子充電電池雖可數月放置不用，但電池容量可能會因為內阻累積而耗盡。若發生此情況，使用前必需重新充電。鋰離子電池可儲存在 -20°C 至 60°C 的環境中，但若趨近此溫度範圍的上限，則電力消耗較快。建議將 AIM-68H 存放在正常室溫範圍內。

置換可能影響安全防護的錯誤型式的電池(例: 在某些鋰電池類型的情形下):

電池丟入火焰或烤箱中，或將電池作可能導致爆炸的機械擠壓或切割:

電池置於可能導致爆炸或可燃性液體或氣體洩漏的高溫環境中；且電池承受可能導致爆炸或可燃性液體或氣體洩漏的極度低氣壓。

限用物質含有情況標示聲明

設備名稱： Equipment name		型號（型式）： Type designation				
平板電腦		AIM-68S				
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁶⁺)	多溴聯苯 Polybrominat ed biphenyls (PBB)	多溴二苯醚 Polybrominat ed diphenyl ethers (PBDE)
電路板	—	○	○	○	○	○
內外觀 (外殼、內部框架…等)	○	○	○	○	○	○
其它限制部件 (線路、夾具、卡槽)	—	○	○	○	○	○
記憶體	—	○	○	○	○	○
觸控模組	—	○	○	○	○	○
液晶面板	—	○	○	○	○	○
揚聲器	○	○	○	○	○	○
網路無線模組	—	○	○	○	○	○
線材	○	○	○	○	○	○
散熱模組	○	○	○	○	○	○
存取裝置 (SSD)	—	○	○	○	○	○
電源供應器	—	○	○	○	○	○
備考1: “超出0.1 wt %”及 “超出0.01 wt %”係指限用物質之百分比含量超出百分比含量基準值。 Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition. 備考2: “○”係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence. 備考3: “—”係指該項限用物質為排除項目。 Note 3: The “—” indicates that the restricted substance corresponds to the exemption.						



注意 - 使用在此處指定以外的控制、調整或執行程序可能導致危險的輻射暴露