

POC-421-14 Series

Point-of-Care Terminal
with Intel® Core™
Ultra 5 and Ultra 7
Processor,
21.5" TFT LCD



ADVANTECH

Enabling an Intelligent Planet

Instructions for the User/Instructions pour l'utilisateur

The document combines text and illustrations, providing a comprehensive overview of the system. The information is presented as a sequential series of actions, allowing the user to learn directly how to use the device.

The text provides explanations and instructs the user step-by-step in the practical use of the product, with short, clear instructions in an easy-to-follow sequence.

Le document combine du texte et des illustrations, offrant un aperçu complet du système. Les informations sont présentées sous forme d'actions séquentielles, permettant à l'utilisateur d'apprendre directement à utiliser le périphérique.

Le texte fournit des explications et informe l'utilisateur, étape par étape, de l'utilisation pratique du produit, avec des instructions courtes et claires, dans une séquence facile à suivre.

Definitions/Définitions

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



Un **AVERTISSEMENT** fournit d'importantes informations concernant 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.



Une **ATTENTION** fournit d'importantes informations concernant une situation potentiellement dangereuse qui, si elle n'est pas évitée, pourrait entraîner des blessures mineures ou modérées à l'utilisateur ou au patient et endommager l'équipement ou d'autres propriétés.

Note! A **NOTE** provides additional information intended to avoid inconveniences during operation.



Une **REMARQUE** fournit des informations supplémentaires destinées à éviter les inconvénients en cours de fonctionnement.

Safety Instructions/Consignes de sécurité

1. Read these safety instructions carefully.
Lisez attentivement ces consignes de sécurité.
2. Retain this user manual for future reference.
Gardez ce manuel pour référence future.
3. Disconnect the equipment from all power outlets before cleaning. Use only a damp cloth for cleaning. Do not use liquid or spray detergents.
Déconnectez cet équipement de toute prise secteur avant de le nettoyer. Utilisez un chiffon humide. Ne pas utilisez de liquide ou de sprays détergents pour le nettoyage.
4. For pluggable equipment, the power outlet socket must be located near the equipment and easily accessible.
La prise de courant doit être située près de l'équipement et doit être facilement accessible.
5. Protect the equipment from humidity.
Gardez cet équipement à l'abri de l'humidité.

Caution! *To avoid short-circuiting 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 the service personnel to verify that patient safety is not compromised.*



Pour éviter tout court-circuit ou tout autre dommage pour l'appareil, évitez tout contact des liquides avec celui-ci. En cas de déversement accidentel de liquides sur l'équipement, retirez dès que possible l'unité concernée du service et contactez le personnel de maintenance pour vérifier que la sécurité du patient n'est pas compromise.

6. Place the equipment on a reliable surface during installation. Dropping or letting the equipment fall may cause damage.
La chute de l'équipement pouvant l'endommager, celui-ci doit être installé sur une surface stable.
7. The openings on the enclosure are for air convection. Protect the equipment from overheating. DO NOT COVER THE OPENINGS.
Les ouvertures du boîtier sont nécessaires au refroidissement de l'appareil. Veillez à protéger l'appareil contre la surchauffe. NE PAS COUVRIR LES OUVERTURES.
8. Ensure that the voltage of the power source is correct before connecting the equipment to a power outlet.
Assurez-vous que la tension de la source d'alimentation est correcte avant de brancher l'appareil à la prise de courant.
9. Position the power cord away from high-traffic areas. Do not place anything over the power cord.
Placez le cordon d'alimentation de manière à éviter que des personnes marchent dessus. Veillez à ce qu'aucun objet ne soit placé sur le cordon d'alimentation.
10. All cautions and warnings on the equipment should be noted.
Tous les conseils et avertissements concernant ce matériel et son utilisation doivent être lus et compris.

11. If the equipment is not used for a long time, disconnect it from the power source to avoid damage from transient overvoltage.
Si l'appareil n'est pas utilisé pendant une longue période, débranchez-le de la source d'alimentation pour éviter les dommages causés par des surtensions transitoires.
12. Never pour liquid into an opening. This may cause fire or electrical shock.
Ne jamais verser de liquide dans une ouverture. Cela peut provoquer un incendie ou un choc électrique.
13. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
Ne jamais ouvrir l'équipement. Pour des raisons de sécurité, l'équipement ne peut être ouvert que par du personnel qualifié.

Warning! *Because of the danger of electric shock, never remove the cover of a device while it is in operation or connected to a power outlet.*
En raison du danger de choc électrique, ne retirez jamais le couvercle d'un appareil en cours de fonctionnement ou sur une prise secteur.



14. If any of the following occurs, have the equipment checked by service personnel:
Si l'une des situations suivantes se présente, faites vérifier le matériel par le personnel de service:
 - The power cord or plug is damaged.
Le cordon d'alimentation ou la prise est endommagé.
 - Liquid has penetrated the equipment.
Du liquide a pénétré dans l'appareil.
 - The equipment has been exposed to moisture.
L'équipement a été exposé à l'humidité.
 - The equipment is malfunctioning, or does not operate according to the user manual.
L'équipement ne fonctionne pas bien, ou vous ne pouvez pas le faire fonctionner selon le manuel d'utilisation.
 - The equipment has been dropped and damaged.
L'appareil est tombé et est endommagé.
 - The equipment shows obvious signs of breakage.
L'équipement présente des signes évidents de casse.
15. Do not leave the equipment in an environment with a storage temperature of below 0° C (0° F) or above 50° C (122° F) as this may damage the components. The equipment should be kept in a controlled environment.
Ne pas laissez ce matériel dans un environnement où la température de stockage peut descendre en dessous de 0° C (0° F) ou être supérieure à 50° C (122° F). Ceci pourrait endommager l'équipement. L'équipement doit être maintenu dans un environnement contrôlé.

16. Improper installation of VESA mounting can result in serious personal injury! VESA mount installation should be operated by professional technician, please contact the service technician or your retailer if you need this service. The detail operating procedure is specified in Appendix A.
Une installation incorrecte du montage VESA peut entraîner des blessures graves! L'installation du support VESA doit être effectuée par un technicien professionnel. Veuillez contacter le technicien de maintenance ou votre revendeur si vous avez besoin de ce service. La procédure d'utilisation détaillée est spécifiée à l'annexe A.
17. Classification:
 - 1). Class I internal powered
Adaptateur externe
 - 2). No applied part
Aucune partie appliquée
 - 3). Continuous Operation
Opération continue
 - 4). Not AP or APG category
Pas de catégorie AP ou APG4

Warning! *This device is not suitable for use in the presence of flammable anesthetic mixture with air, oxygen, nitrous oxide, or for life support systems. Ce dispositif ne convient pas pour une utilisation en présence d'un mélange anesthésique inflammable avec de l'air, de l'oxygène, de l'oxyde nitreux ou pour des systèmes de survie*



18. Environmental protection: follow national requirements to dispose of unit.
Protection de l'environnement: respecter les exigences nationales en matière d'élimination de l'appareil.
19. Maintenance: to properly maintain and clean the surfaces, use only the approved products or clean with a dry applicator.
Entretien: pour bien entretenir et nettoyer les surfaces, utilisez uniquement les produits approuvés ou nettoyez-les avec un applicateur sec.

Warning! *When servicing the device, always use replacement parts that are qualified to Advantech standards. Advantech Digital Healthcare cannot warrant or endorse the safe performance of third-party replacement parts for use with our medical device.*



Lors de l'entretien de l'appareil, utilisez toujours des pièces de rechange conformes aux normes Advantech. Advantech Digital Healthcare ne peut en aucun cas garantir ou garantir la sécurité des pièces de rechange tierces à utiliser avec notre dispositif médical.

20. Make sure the user does not allow contact between SIP/SOPs and the patient at the same time.
Assurez-vous que l'utilisateur n'autorise pas le contact simultané entre SIP/SOP et le patient.
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:
Lors de la mise en réseau d'appareils électriques, il incombe à l'opérateur de s'assurer que le système résultant répond aux exigences définies par les normes suivantes:
 - EN 60601-1 (IEC 60601-1) Medical electrical equipment
Part 1: General requirements for safety

- EN 60601-1 (IEC 60601-1) Appareils électromédicaux
Partie 1: Prescriptions générales pour la sécurité
 - EN 60601-1 (IEC 60601-1) Medical electrical equipment
Part 1-1: General requirements for safety
Collateral standard: Safety requirements for Medical electrical systems
 - EN 60601-1 (IEC 60601-1) Appareils électromédicaux
Partie 1-1: Exigences générales pour la sécurité
Norme collatérale: exigences de sécurité pour les systèmes électriques médicaux
 - 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
 - EN 60601-1-2 (IEC 60601-1-2) Appareils électromédicaux
Partie 1-2: Exigences générales pour la sécurité
Norme collatérale: compatibilité électromagnétique; Conditions et tests
22. Accessory equipment connected to analog and digital interfaces must be in compliance with the respective nationally harmonized IEC standards (i.e. IEC 60950 for data processing equipment, IEC 60065 for video equipment, IEC 61010-1 for laboratory equipment, and IEC 60601-1 for medical equipment.)
Les équipements accessoires connectés aux interfaces analogiques et numériques doivent être conformes aux normes CEI harmonisées au niveau national (CEI 60950 pour les équipements de traitement de données, CEI 60065 pour les équipements vidéo, CEI 61010-1 pour les équipements de laboratoire et CEI 60601-1 pour équipement médical.)

	The instructions shall have the following description or equivalent:	"ATTENTION: Risque d'explosion si la batterie est remplacée par un type incorrect. Mettre au rebus les batteries usagées selon les instructions."
Replaceable batteries	"CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions."	

Furthermore all configurations shall comply with the system standard IEC 60601-1. Anyone who connects additional equipment to the signal input part or signal output part is configuring a medical system, and is therefore, responsible that the system complies with the requirements of the system standard IEC 60601-1. The unit is for exclusive interconnection with IEC 60601-1 certified equipment in the patient environment and IEC 60XXX certified equipment outside of the patient environment. If in doubt, consult the technical services department or your local representative.

Caution! Use suitable mounting apparatus to avoid risk of injury.



23. Grounding reliability can only be achieved when the equipment is connected to an equivalent receptacle marked "Hospital Only" or "Hospital Grade".

24. 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.

Note! *Environmental protection*



Follow national requirements to dispose of unit.








25. **WARNING:** Do not modify this equipment without authorization of the manufacturer.
26. **WARNING:** To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
27. **CAUTION:** This adapter Sinpro HPU101-107 is a forming part of the medical device.
28. Remove the power cord to fully turn off the device.

















In case of serious incident that has occurred, please contact the manufacturer and local authorities immediately.

Notice: It is recommended to install the appropriate software, 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.

Explanation of Graphical Symbols

	This symbol is for caution and is intended to alert the user to the presence of important operating and maintenance (servicing) instructions.
	This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" of sufficient magnitude to constitute a risk of electric shock.
	This symbol indicates a severe warning and not following the relevant instructions may result in injury to the user or permanent damage to the device.
	This symbol is intended to remind the user to follow the instructions for use, particularly with medical electrical equipment
	This symbol denotes direct current.
	This symbol indicates Alternating Current.
	This symbol indicates equipotential. It usually indicates a point of bonding between the product and the rest of the system or hospital electrical supply.

	This symbol denotes the manufacturer.
	This symbol indicates Global Trade Item Number (GTIN) Code Marking.
	This symbol denotes the Unique Device Identifier information.
	This symbol indicates the production identifier so the item can be traced to a specific production lot or batch.
	This icon indicates the product serial number.
	This symbol indicates the production date of the unit.
	This symbol denotes that the product is a Medical Device.
	This symbol represents the registered European importer for this product.
	This symbol represents the registered importer for Switzerland for this product.
	This symbol is known as CE Mark it indicates conformance with European CE regulations.
	This symbol is the FCC Mark it indicates the device conforms with Part 15 of the FCC regulations with regard to the Electromagnetic compatibility of devices. See chapter 4 for more details.
	This symbol indicates China Compulsory Certification.
	This symbol indicates the product cannot be disposed of as household waste. See chapter 4 for more information about how to dispose of product at the end of its operating life.
	This symbol indicates a temperature restriction.
	This symbol indicates a humidity restriction.
	This symbol indicates an atmospheric pressure limitation.

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

FCC Class B

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 instruction manual, 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 assistance.

Warning! *Any changes or modifications made to the equipment which are not expressly approved by the relevant standard's authority could void your authority to operate the equipment.*



List of Accessories

Before installing your Point-of-Care Terminal, ensure that the following materials have been received:

- POC-421-14 SERIES Point-of-Care Terminal
- Mounting kits and packet of screws
- VESA mounting note x1
- China RoHs note x1
- Hot-Swap Battery Module x2

Warning! *No user serviceable parts inside; refer servicing to qualified personnel. Only the accessories indicated on the list of accessories above have been tested and approved to be used with the device. Accordingly it is strongly recommended that only these accessories be used in conjunction with the specific device. Otherwise the correct functioning of the device may be compromised.*



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
 - This equipment is a source of electromagnetic waves. Before use please, make sure that there are not EMI sensitive devices in its surrounding which may malfunction therefore.

Environmental protection

- Follow national requirements to dispose of unit.

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Chapter 1

General Information

1.1 Introduction

The POC-421-14 SERIES is a multimedia Intel® Core™ Ultra 5 and Ultra 7 processor series designed for mobile computing as a Point-of-Care terminal (POC-421.) It is a PC-based system with 21.5" wide screen TFT LCD display, HDMI and dual LAN. It has one COM port, With an optional 2.5" SSD, the POC-421 SERIES is a user-friendly computer. For system integrators, this highly integrated multimedia system lets you easily build a Point-of-Care Terminal into your applications. The POC-421-14 SERIES keep multimodality features and add DC in for Mobility applications, such as in Nursing Care and OR/ICU. The POC-421-14 SERIES makes it an ideal and safe point-of-care solution for patients and hospital practitioners. The POC-421-14 SERIES is specially designed to resist spills and water damage, and ensures dust resistance with its protected LCD and sealed ports. The POC-421-14 SERIES is a reliable solution to your application's processing requirements.

The latest version of this user manual is available for download from <http://support.advantech.com.tw/support/>.

1.2 Specifications

POC-421-14

System	Processor	14 th generation Intel® Core™ Ultra 5 processor, up to 4.30 GHz or Intel® Core™ Ultra 7 processor, up to 4.8GHz
	Memory (default)	Memory (default) 16GB DDR5 (supports up to 32GB DDR5 SODIMM) Operating System (optional) Windows 10 IoT Ent (64 bits only); Windows 11 Pro (64 bits only); Ubuntu 22.04
Storage	Primary Storage (optional)	NVME M.2 SSD 256GB (M.2 2280)
Display	Size	21.5"
	Max Resolution	1920 x 1080 (FHD)
	Contrast Ratio	1000
	Touch Function	10-point multi touch P-CAP (clear glass), AG option
I/O	USB 3.2 Type A	4
	USB 3 Type C	1 (With 27W, maximum 9V/3A, power delivery, and ALT mode support.)
	HDMI	1
	LAN (1.5KV Isolation)	2
	COM (RS232)	1 (Optional USB 2.0 x 2)
	Mic in/head phone out	1 TRRS port
Expansion Slots	M.2 2230 E. Key	1 (for Wi-Fi 6 /Bluetooth 5.3 module)
	iDoor	4KV iDoor (1COM+2USB); 4KV iDoor (1LAN); 1.5KV iDoor (1COM), optional by only Battery Model
Other Functions	Power Button	1
	Speaker	2 x 2W
	Book Light	Support
	Camera	1 x 5 megapixel (optional)
	TPM 1.2/2.0	2.0
Power Input	DC / AC	DC 19V (Medical DC Jack pin)
IP Rating	Front Panel	IP65
	System	IPX1 (I/O without cover) with Standard Model IP43 (I/O with cover) with Battery IP54 (I/O with cover) without Battery
Authentication Solution (Either or)	RFID Reader	Optional (select either RFID or Smart Card Reader)
	Smart Card Reader	Optional (select either RFID or Smart Card Reader)
Battery Solutions	Backup Battery	20Wh (optional only by Battery Model)
	Hot-Swap Battery	140Wh x2 (default), only by Battery Model
	Charging in Charging Station	2 slots: Charging time <2 Hours from 20% to 80%
Certificate	EMC & Safety	Medical CE/FCC MDR RED ErP Battery pack: IEC62133, UN38.3
Physical Characteristics	Dimensions (W x H x D)	524 x 357 x 59 mm/20.63 x 14.06 x 2.32 in (Standard Model)
	Weight	6.29 kg/13.86 lb (Standard Model)
	VESA Mount	100 x 100; 75 x 75 mm
Environment	Temperature	0 - 35 °C/32 - 95 °F (Operating) 0 - 50 °C/32 - 122 °F (Storage)
	Humidity	95%, 40°C (Operating) 95%, 60°C (Storage)
	Shock Resistance	10G peak acceleration (11 ms duration)
Warranty	System	3 year

Working conditions:

Temperature: 0 and 35 degree

Humidity: 5% and 95%

Pressure: 700 and 1013 hPa

1.3 Dimensions

Standard Model Dimensions: 524 x 357 x 59 mm (Unit: mm)

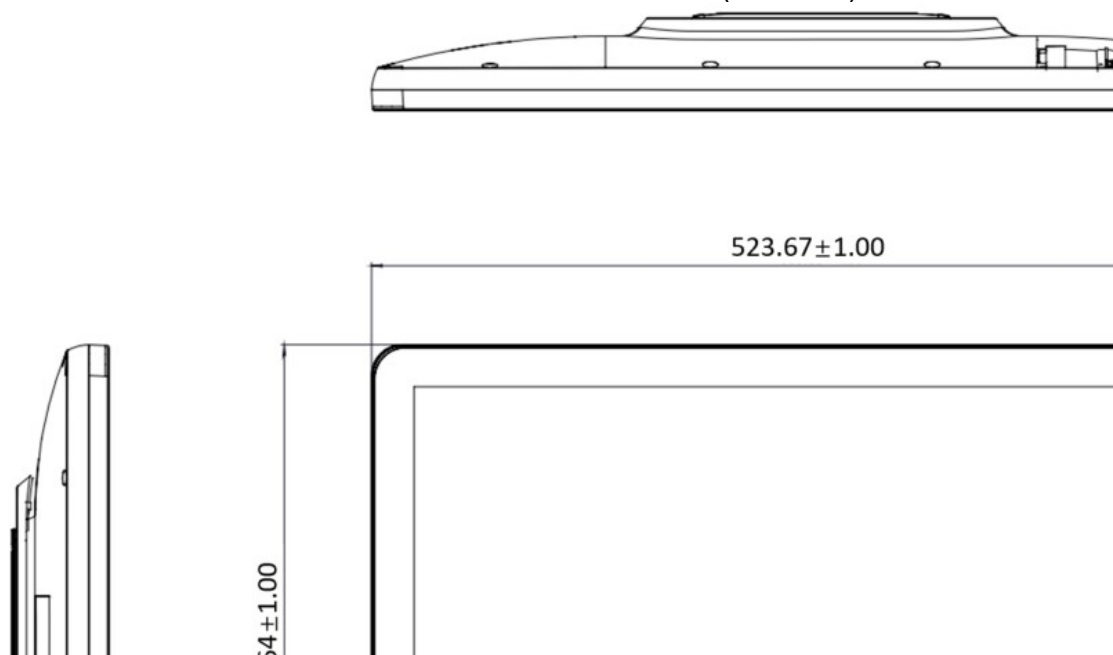


Figure 1.1 Dimensions of the POC-421-14 SERIES Standard Model

VESA Mounting: 75 x 75 mm; 100x100 mm

Please use M4x10L (Maximum) screws and use 4pcs screws.

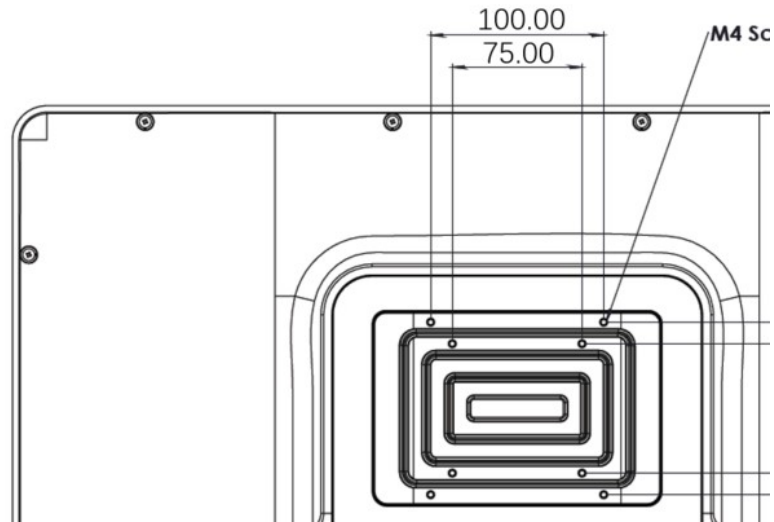


Figure 1.2 VESA Mounting of the POC-421-14 SERIES Standard Model

Battery Model Dimensions: 524 x 357 mm (Unit: mm)

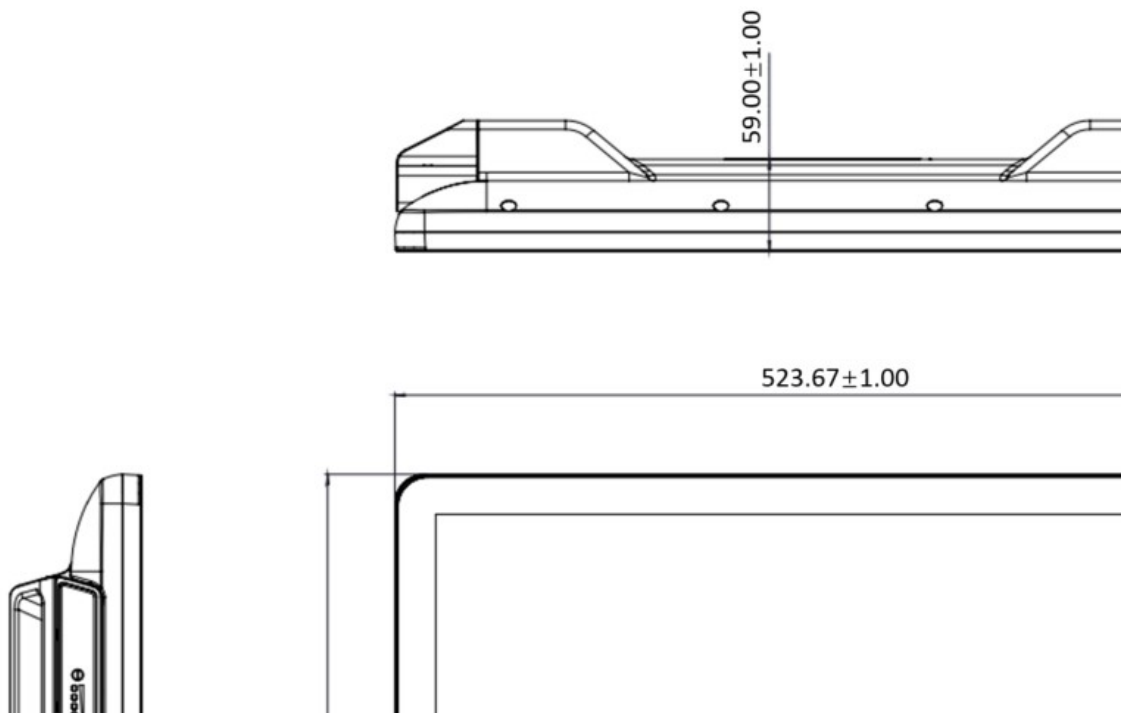


Figure 1.3 Dimensions of the POC-421-14 SERIES Battery Model

VESA Mounting: 75 x 75 mm; 100x100 mm

Please use M4x10L (Maximum) screws and use 4pcs screws.

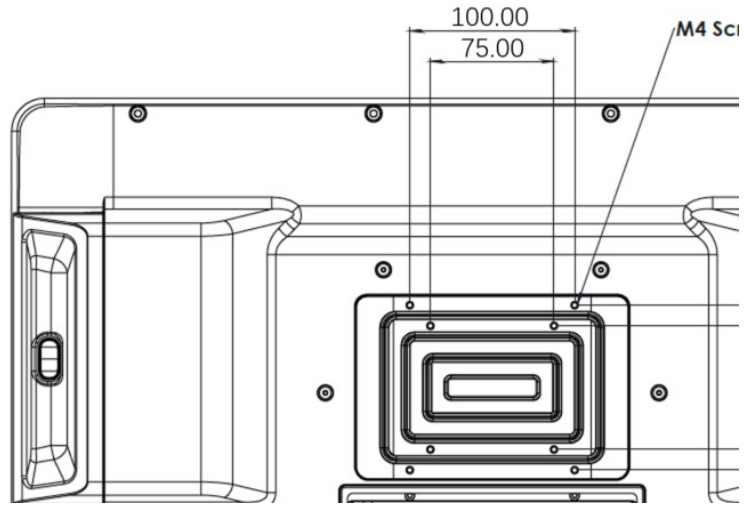


Figure 1.4 VESA Mounting of the POC-421-14 SERIES Battery Model

Warning! Use suitable mounting apparatus to avoid risk of injury.



Figure 1.6 POC-421-14 SERIES Front Panel

1.3.1 Optional Modules

- **Memory:** Up to 32GB DDR5 SODIMM (one channel)
- **Primary Storage:** NVME (M2 2280, PCIe Interface)
- **Wifi and Bluetooth Module:** Intel Wi-Fi 6, Bluetooth 5.3
- **RFID Module:** RFIDEAS KT-805N64KU-F01000-IMP-imprivata. (either RFID or Smart Card, choose one)
- **Smart Card:** either RFID or Smart Card, choose one
- **Camera:** 5MP Auto Focus
- **Touchscreen:** Optional AG Coating

Above optional modules are to choose only one from two different modules. Contact Advantech for more detail.

1.3.2 Cleaning and Disinfecting

During normal use of the POC-421-14 (Point-of-Care Terminal), the device may become dirty and should be regularly cleaned.

1. Prepare cleaning water.
2. Wipe the POC-421-14 with a clean cloth that has been moistened in the pure water.
3. Wipe thoroughly with a clean cloth.

Caution! *Do not immerse or rinse the POC-421-14 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 POC-421-14 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.

1.4 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.

1.5 Intended User Profile

Intend user profile:

Age: 18 to 65.

Weight: not relevant.

Health: not relevant.

Nationality: Global.

Patient state: patient will not be the operator.

Part of the body or type of tissue applied to or interacted with: hands and fingers, expected contact time shall be less than 1 min.

Education level: at least 8 years intensive reading experience (school).

Knowledge:

- Minimum – read and understand “westernized Arabic” numerals when written in Arial font.
- Can distinguish: every parts of body as described in user manual.

To be considered as trained and authorized installation personnel, they must complete the training course of the manufacturer; see document number xxx for qualification method, when considered necessary by the manufacturer, technician shall be called back for retraining and annual training is also considered necessary.

As terminal operators, doctors and nurses need to understand the product usage methods and precautions by reading the user manual.

Language understanding: English, whenever other languages are required, professional translation company shall translate and review by the manufacturer, see SOP document number: SOP_Writing_Guidelines-ed.3.

Experience: Mentally and physical competent, specific medical training to understand basic knowledge for symbols.

Permissible impairments:

- Mild reading vision impairment or vision corrected to log MAR 0,2 (6/10 or 20/32).
- One arm/hand system capable of guiding and holding device.
- Average degree of aging-related short term memory impairment.
- Impaired by 40% resulting in 60% of normal hearing at 500 Hz to 2 kHz.

Chapter 2

System Setup

2.1 A Quick Tour of the POC-421-14 SERIES

Before you start to set up the POC-421-14 SERIES, take a moment to become familiar with the locations and purposes of the controls, drives, connections and ports, which are illustrated in the figures below.

When you place the POC-421-14 SERIES upright on the desktop, its front panel appears as shown in Figure 2.1.

2.1.1 Front View

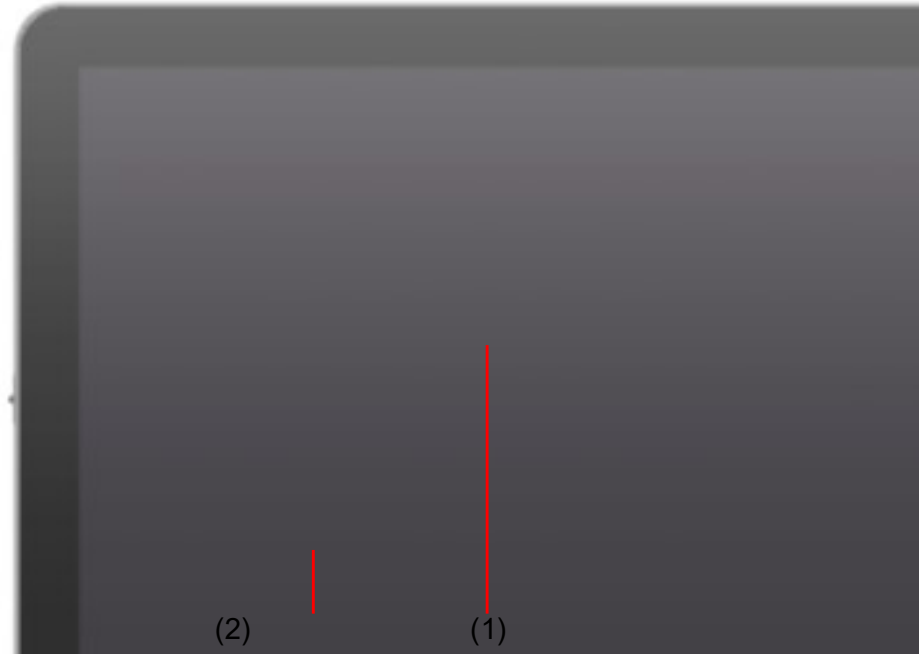


Figure 2.1 Front View of the Point of Care Terminal

Front Bezel View

- (1) Book light symbol
- (2) Power symbol w/ indicator light

2.1.2 Rear View

When you turn the Point of Care Terminal around and look at its rear cover, the sunken I/O section is at the bottom of the panel PC, as shown in Figure 2-2, 2-4 and zoom in Figure 2-3, 2-5, 2-6. (The I/O section includes various I/O ports, including serial ports, HDMI port, the Ethernet port, USB ports and so on.)

Standard Model Rear View:

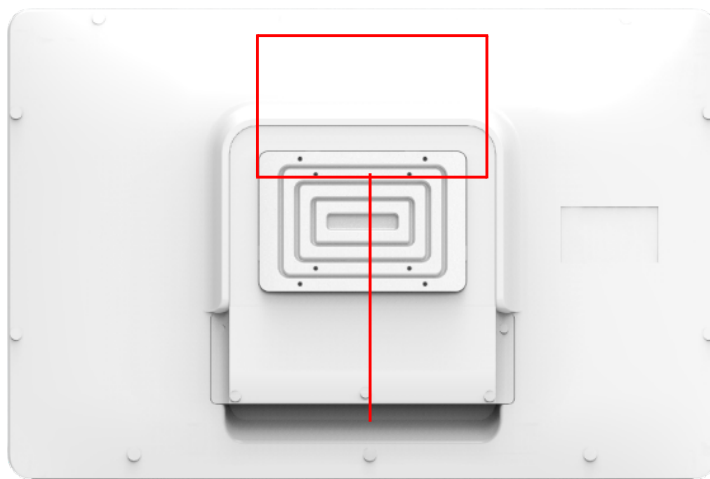


Figure 2.2 Standard Model Rear View of the Point of Care Terminal

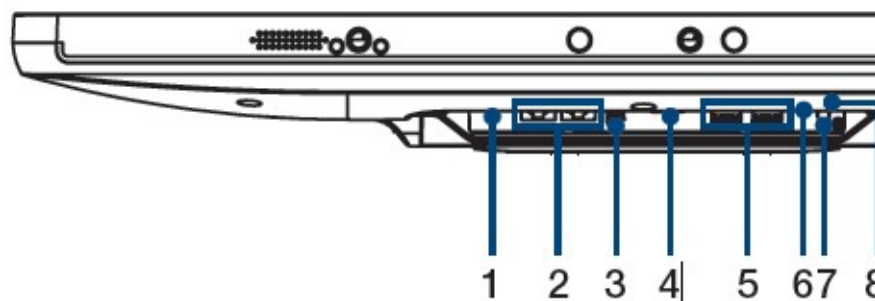


Figure 2.3 POC-421-14 Standard Model Rear View of Multi I/O Ports

Battery Model Rear View:

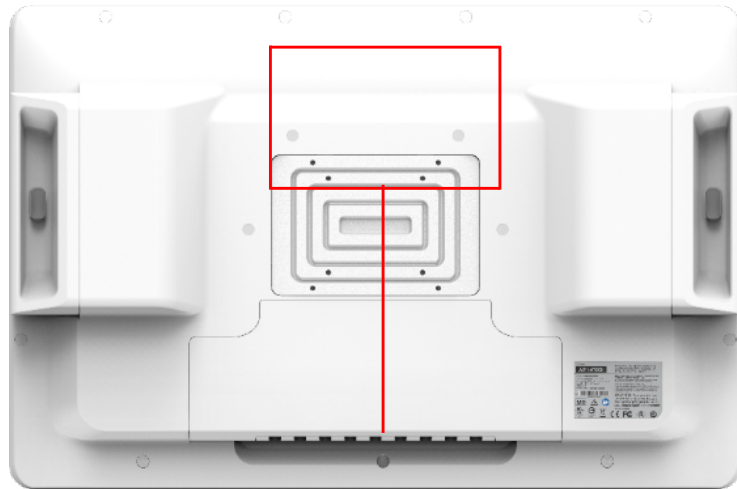


Figure 2.4 Battery Model Rear View of the Point of Care Terminal

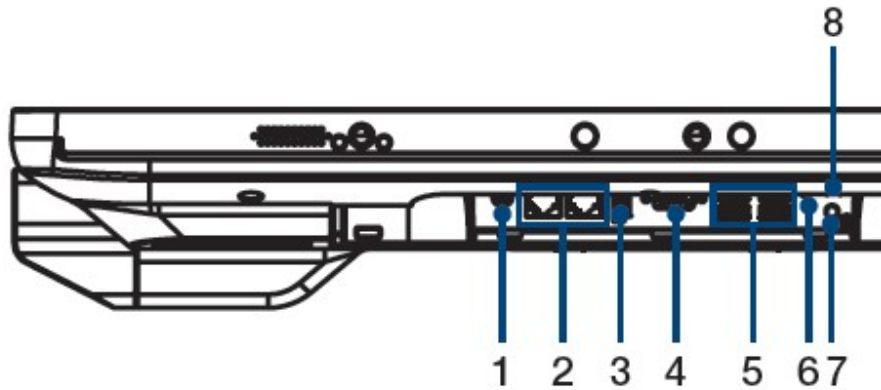


Figure 2.5 POC-421-14 Battery Model Rear View of Multi I/O Ports

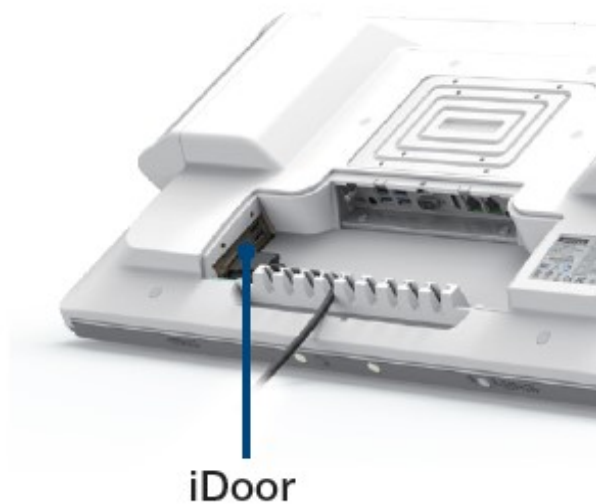


Figure 2.6 POC-421-14 Battery Model Rear View of iDoor

Ports

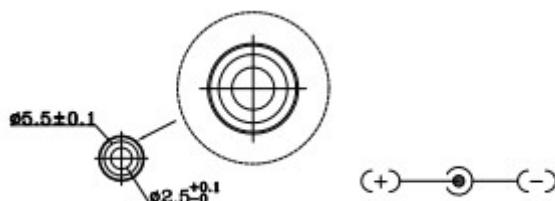
Note! *Equipotential terminal need link to hospital ground/earth system before system boot to protect operator and system.*



2.2 Installation Procedures

2.2.1 Connecting the Power Cord

AC Adapter output DCIN plug output the DC power for POC system.
Please plugin to POC DCIN.



2.2.3 Connecting the DCIN (Medical Type)

The POC-421-14 SERIES can only be powered by DC adapter (FSP Model no. FSP150M-KBA).

Be sure to always handle the power cords by holding the plug ends only.

Follow these procedures in order:

1. Connect the female end of the power cord to DC adapter.
2. Connect the 3-pin male plug of the power cord to an electrical outlet.



Figure 2.7 POC-421-14 Connecting the Power Cord

Note! This adaptor is optional, if with cart and equipment products direct DC 19V power supply, do not need to use this adapter.



The cart and equipment must meet the IEC60601-1 certification to provide POC DC power.

2.2.4 Connecting the Ground Pin

1. System ready and find the Equipotential Terminal on rear side of POC-421-14. An Equipotential Terminal is provide to optionally connect to a hospital ground/earth system.

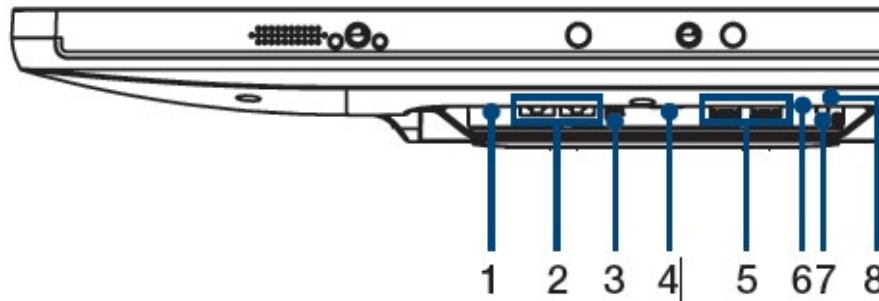


Figure 2.8 POC-421-14 Standard Model Equipotential Terminal Pin

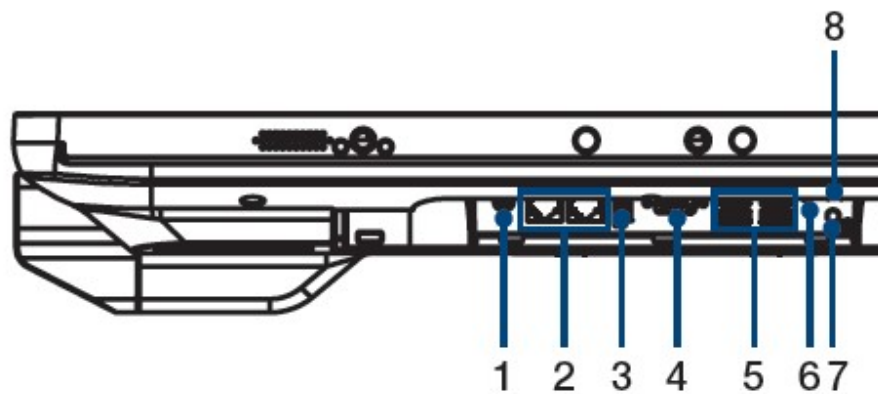


Figure 2.9 POC-421-14 Battery Model Equipotential Terminal Pin

2. Prepare the grounding cable and the other terminal link to hospital ground/earth system.



Figure 2.10 Grounding Cable with Connector

3. Grounding cable plug with POC-421-14 SERIES Equipotential Terminal. (See Figure 2-8, 2-9)

2.3 Hot-Swappable Battery Module

To ensure convenient operation, POC-421 series terminals also support an optional hot-swappable battery module (Part Number: POC-IPSM150B1/ POC-IPSM150B2 / POC-IPSM150B3), in which two battery packs can be installed.

1. Standard battery capacity 140Wh per battery. (+/- 4,5 hours)
2. Project base battery capacity upgradable to 210Wh or 280Wh per battery

Hot-Swappable Battery Module List:

Part Number	Description
POC-IPSM150B1	Battery pack with (1 pcs) 140W Battery of POC – 4 Hot-Swap Power system
POC-IPSM150B2	Battery pack with (1 pcs) 210W Battery of POC – 4 Hot-Swap Power system
POC-IPSM150B3	Battery pack with (1 pcs) 280W Battery of POC – 4 Hot-Swap Power system

*Hot swap batteries are 2 pieces

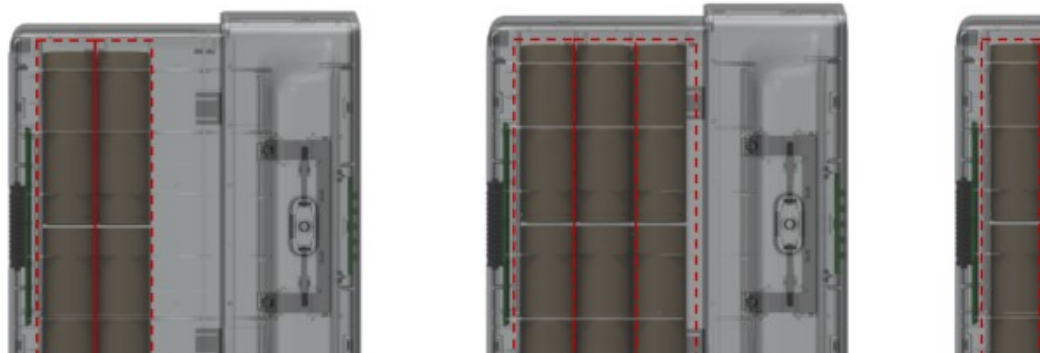


Figure 2.11 Hot-swappable battery module

2.3.1 Specifications

Hot-swappable battery module (POC-IPSM150B2):

Standard Version	POC-IPSM150B2
Battery Pack Type	Lithium-ion battery
Battery Pack Capacity	140Wh
Total Capacity**	280Wh (2 x battery packs, 140Wh)
Battery Runtime	9~11 hours
Battery Lifespan	500 cycle time 70%

2.3.2 Dimensions

Battery Pack Dimensions: 142 x 177 x 62 mm (Unit: mm)

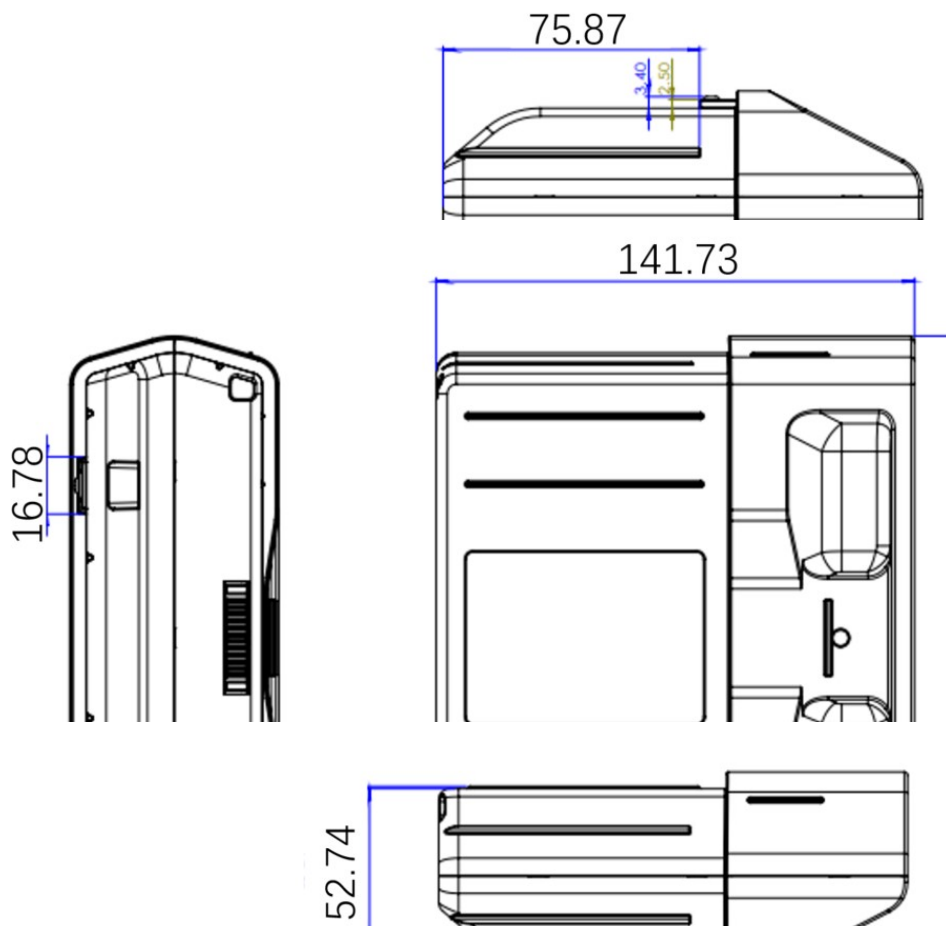


Figure 2.12 Dimensions of Hot-swappable battery module

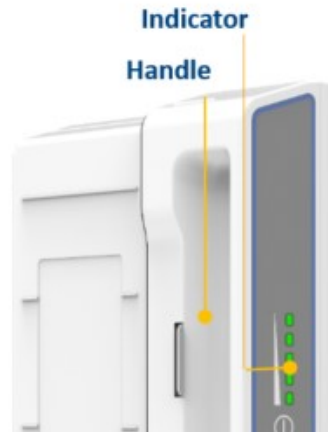
2.3.3 Battery pack Installation

Push two battery packs from the side into the two battery slots.



The indicator on the Battery module can show the capacity. When the indicators show that the batteries are used up, the User of the POC-421 need to charge the battery packs.

The POC-421-14 Battery Model is available to add an additional backup battery for non-stop power when doing battery swapping.



Hold the Release button in the handle of the battery module, and unplug the battery packs.

Note: Before removing the battery packs, please pay attention to save your documents or files well.



2.3.4 Battery Warnings

Read all safety instructions and warnings before using or charging the battery.

Warning! *Li-ion battery packs may explode and cause fire if defective or used incorrectly. To prevent this from happening, follow all usage instructions and safety guidelines provided in this user manual.*



Les batteries Li-ion peuvent exploser et provoquer un incendie si elles sont défectueuses ou mal utilisées. Pour éviter que cela ne se produise, suivez toutes les instructions d'utilisation et les consignes de sécurité fournies dans ce manuel d'utilisation.

- Caution!**
1. *Removal of the battery pack and unplugging of the power adapter will cause the POC-421 terminal to shut down, which may result in data losses. To prevent data losses, always save your work and shut down the POC-421 terminal before removing the battery or power adapter.*
 2. *Lithium batteries have a predetermined lifespan. Replace old batteries with new batteries when they have reached the end of their service life (the warranty is for 1 year or 500 cycles with 70% capacity, whichever occurs first).*



3. *Le retrait de la batterie du système POC-624 et le débranchement de l'adaptateur secteur entraîneront l'arrêt du système POC-421 connecté, ce qui peut entraîner des pertes de données. Pour éviter la perte d'informations, enregistrez toujours votre travail et arrêtez le système POC-421 via le système d'exploitation Windows avant de retirer la batterie ou l'adaptateur secteur.*
4. *Les batteries au lithium ont une durée de vie prédéterminée. Remplacez les vieilles piles par des piles neuves lorsqu'elles ont atteint la fin de leur durée de vie (la garantie est de 1 an ou 500 cycles avec 70% de capacité normale, selon ce qui survient en premier).*

2.3.5 Battery Safety

The POC terminal should only be powered by an Advantech battery pack or compatible battery pack supplied by Advantech.

1. Do not insert non-Advantech battery packs into the POC terminal.
2. Do not attempt to use battery packs of a different brand.

Warning! *1. N'insérez pas de blocs-batteries non Advantech dans le système POC*



2. N'essayez pas d'utiliser des batteries d'une marque différente.

3. Be careful not to make the wrong polarity connection when charging and using battery packs. Always double check the battery installation direction before insertion or connection with the charger.

Warning! *Batteries installed in the wrong direction with the opposite polarity are at risk of exploding, which may cause fire.*



Les batteries installées dans le mauvais sens avec la polarité opposée risquent d'exploser, ce qui peut provoquer un incendie.

4. Use only the specific li-ion battery charger provided by Advantech to charge the battery pack.

Warning! *Using a battery charger of a different brand may cause the battery to explode and result in fire.*



L'utilisation d'un chargeur de batterie d'une marque différente peut entraîner la explosion et provoquer un incendie.

5. Do not short the battery pack connector by using a wire lead.

Warning! *Wire lead shorts can cause the battery to explode and result in fire.*



Les courts-circuits du fil peuvent provoquer l'explosion de la batterie et provoquer un incendie.

6. Do not drop the battery pack.

Warning! *If the battery cover is cracked, split, or broken, do not use the battery.*



Si le couvercle de la batterie est fissuré, fendu ou cassé, n'utilisez pas la batterie.

7. Do not expose the battery pack to fire or high temperatures.

Warning! *Exposure to high temperatures may cause the battery to explode.
L'exposition à des températures élevées peut provoquer l'explosion de la batterie.*



8. Do not penetrate the battery with nails, strike the battery with a hammer, step on the battery, or otherwise subject it to significant impact or shock.

Warning! *Batteries are at risk of exploding and may cause fire if subjected to significant impact.*



Les batteries risquent d'exploser et de provoquer un incendie si elles sont soumises à impact significatif.

9. Do not expose the battery pack to moisture or water.
10. Do not disassemble or modify the battery pack. The battery pack contains safety and protection circuits that if damaged, may cause the battery to overheat, explode, or ignite. There are no user-serviceable parts inside the battery pack.
11. Always refer to the battery charger user manual for charging instructions.
12. Charge the battery pack in indoor environments with a controlled temperature.

Caution! *Exposure to extreme temperatures can damage the battery and reduce the battery life capacity.*



L'exposition à des températures extrêmes peut endommager la batterie et réduire la capacité de la batterie.

13. Do not leave fully charged battery packs connected to the charger for prolonged periods of time.

Caution! *When the battery is fully recharged, disconnect it from the charger or unplug the charger power cable.*



Lorsque la batterie est complètement rechargée, déconnectez-la de l'ordinateur ou débranchez le câble d'alimentation.

14. Do not discharge the battery pack using any device other than the POC terminal or a device specified by Advantech.

Warning! *Using the battery pack to power devices other than the POC-624 terminal may damage the battery, limit performance, or reduce the battery capacity. Additionally, exposure to abnormal current may cause the battery pack to overheat, explode, or ignite and cause serious injury.*



*L'utilisation de la batterie pour alimenter des appareils autres que le système POC-624 peut endommager la batterie, limiter les performances ou réduire la durée de vie de la batterie. De plus, une exposition à un courant anormal peut entraîner une surchauffe, une explosion ou une inflammation de la batterie, entraînant des blessures graves.
L'exposition à des températures extrêmes peut endommager la batterie et réduire la capacité de la batterie.*

15. Use/discharge the battery pack in indoor environments where the temperature is controlled.

Caution! *Using the battery in environments with temperatures outside the acceptable range may damage the battery, limit performance, or reduce the battery capacity.*



L'utilisation de la batterie dans des environnements avec des températures en dehors de la plage acceptable peut endommager la batterie, limiter les performances ou réduire la durée de vie de la batterie.

16. Inspect all battery packs before use.

Warning!



1. *Never use battery packs that are visibly damaged or that may be internally damaged.*

2. *Never remove a battery cover or use a battery pack with a damaged cover*

1. *Exposure N'utilisez jamais de blocs-piles visiblement endommagés ou dommages internes.*

2. *Ne retirez jamais le couvercle extérieur de la batterie et n'utilisez jamais de batterie avec un couverture endommagée.*

16. Replace the entire battery pack with a new battery pack when the time between charges decreases significantly.

Caution!



When the time between charges decreases significantly, check the voltage of the battery pack before charging. If the battery performance drop significantly, do not use the battery pack.

Lorsque le temps entre les charges diminue considérablement, vérifiez la tension de la batterie avant de la charger. Si les performances de la batterie diminuent considérablement, veuillez ne pas utiliser cette batterie.

2.3.6 Emergency Scenarios

If you notice any of the following, stop charging or using the battery immediately:

1. The battery is swollen, bulging, or deformed.
2. The battery is leaking fluid, smoke, or a foul odor.
3. The battery temperature is extremely hot.
4. The battery appears abnormal in any way.
5. The battery cover is cracked, split, or broken.
6. The battery has been exposed to moisture.

Warning!



1. *If any of the above conditions are observed, place the battery pack and charger outside on a concrete floor, away from any flammable materials, for approximately 15 minutes and contact Advantech. Do not attempt to reuse the battery pack.*

2. *In the event that the battery is leaking and the fluid gets into your eye, rinse well with water and seek immediate medical care. If left untreated, exposure to battery fluid may damage your eye.*

1. *Si l'une des conditions ci-dessus est observée, placez la batterie et le chargeur à l'extérieur sur un sol en béton, à l'écart de tout matériau inflammable pendant environ 15 minutes et contactez Advantech. N'essayez pas de réutiliser la batterie.*

2. *Si la pile fuit et que le liquide pénètre dans vos yeux, rincez abondamment à l'eau et consultez immédiatement un médecin. Si elle n'est pas traitée, l'exposition au liquide de la batterie peut endommager vos yeux.*

2.3.7 Battery Storage and Transportation

1. Store the battery in a dry environment with a room temperature of 0 ~ 25 °C (32 ~ 77 °F) for optimum health.
2. Do not expose the battery pack to direct sunlight (heat) or store the battery pack inside vehicles in hot weather for extended periods.
3. When transporting or temporarily storing the battery in a vehicle, the internal vehicle temperature should be greater than -20 °C (-4 °F) but no more than 50 °C (122 °F).
4. If possible, remove the battery pack from the device if the device will be unused for several months.
5. Do not remove individual battery packs from the original packaging until required for use.

Warning! *To reduce the risk of damage, do not expose battery packs to high temperatures for extended periods of time. This may damage the battery and cause fire.*



Pour réduire le risque de dommages, n'exposez pas les batteries à des températures élevées pendant des périodes prolongées. Cela pourrait endommager la batterie et provoquer un incendie.

Caution! 1. *Stored batteries should be checked every 3 months. If the capacity is less than 50%, recharge the battery before returning it to storage.*



2. *Batteries may leak if left in the device for extended periods of time. After long periods of storage, check the battery pack before charging.*

1. *Les batteries stockées doivent être vérifiées tous les 3 mois. Si la capacité est inférieure à 50%, rechargez la batterie avant de la remettre en stockage.*

2. *Les piles peuvent fuir si elles sont laissées dans l'appareil pendant de longues périodes. Après de longues périodes de stockage, vérifiez la batterie avant de la charger.*

2.3.8 Battery Disposal

When the battery pack has reached the end of its service life, do not use general household waste for disposal. Follow local laws and government regulations for correct battery disposal.

Caution! *Cover terminals with tape to prevent inadvertent contact with other batteries or metal objects.*



Couvrez les bornes avec du ruban adhésif pour éviter tout contact accidentel avec d'autres batteries ou des objets métalliques.

Warning! 1. *To reduce the risk of fire or burns, do not disassemble, crush, puncture, expose to fire or water, or short the battery's external contacts.*



2. *Used batteries may still have a partial charge. If partially charged batteries come into contact with other batteries or metal objects, the remaining stored energy may be discharged and cause a fire or explosion.*

1. *Pour réduire le risque d'incendie ou de brûlure, ne démontez pas, n'écrasez pas, ne percez pas, n'exposez pas au feu ou à l'eau, et ne court-circuitiez pas les contacts externes de la batterie.*

2. *Les batteries usagées peuvent encore avoir une charge partielle. Si des batteries partiellement chargées entrent en contact avec d'autres batteries ou des objets métalliques, l'énergie stockée restante peut être déchargée et provoquer un incendie ou une explosion.*

2.4 Running the BIOS Setup Program

Your POC-421-14 SERIES was probably set up and configured by your dealer prior to delivery. You may still find it necessary to use the BIOS (Basic Input-Output System) setup program to change system configuration information, such as the current date and time or your type of hard drive. The setup program is stored in read-only memory. It can be accessed either when you turn on or reset the panel PC, by pressing the “Del” key on your keyboard immediately after powering on the computer.

2.5 Installing System Software

Recent releases of operating systems from major vendors include setup programs which load automatically and guide you through hard disk preparation and operating system installation. The guidelines below will help you determine the steps necessary to install your operating system on the panel PC hard drive.

Note! *Some distributors and system integrators may have already pre-installed system software prior to shipment of your panel PC.*



If required, insert your operating system's installation or setup diskette into the external diskette drive until the release button pops out.

The BIOS supports system boots up directly from the Flash disk. You may also insert your system installation Flash disk into USB port.

Power on or reset the system by pressing the “Del” key to boot into BIOS menu and adjust the boot device sequence.

You can also press F12 key when booting; a bootable device popup menu will appear, you can select bootable device that you want. The Point-of-Care Terminal will automatically load the operating system from the Flash disk.

If you are presented with the opening screen of a setup or installation program, follow the instructions on screen. The setup program will guide you through preparation of your hard drive, and installation of the operating system.

2.6 Installing the Drivers

After installing your system software, you will be able to set up the Chipset, Graphics, Ethernet, Audio functions by driver.

The standard automatic installation procedures for installing the drivers are described in Chapter 3.

The various drivers and utilities in the CD-ROM disc have their own text files which help users install the drivers and understand their functions. These files are a very useful supplement to the information in this manual.

All driver could download from Advantech website.

2.7 EMC Declaration

Guidance and Manufacturer's Declaration – Electromagnetic Emissions

The model POC-421-14 SERIES is intended for use in an electromagnetic environment as specified below. The customer or the user of the POC-421-14 SERIES should assure that it is used in such an environment.		
Emissions Test	Compliance	Electromagnetic Environmental Guidance
RF emissions CISPR 11	Group 1	The model POC-421-14 SERIES uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The model POC-421-14 SERIES is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class D	
Voltage fluctuations/ flicker emissions IEC 61000-3-3	Meet the requirements	

Recommended Separation Distances Between Portable and Mobile RF Communications Equipment and the POC-421-14 SERIES

POC-421-14 SERIES is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the model POC-421 can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the model POC-421-14 SERIES as recommended below, according to the maximum output power of the communications equipment.

Rated Maximum Output Power of Transmitter W	Separation Distance According to Frequency of Transmitter m		
	150 kHz to 80 MHz $d = 1,2 \sqrt{P}$	80 MHz to 800 MHz $d = 1,2 \sqrt{P}$	800 MHz to 2,5 GHz $d = 2,3 \sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation in the table above applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Guidance and Manufacturer's Declaration – Electromagnetic Immunity


POC-421-14 SERIES is intended for use in the electromagnetic environment specified below. The customer or the user of the model POC-421-14 SERIES should assure that it is used in such an environment.

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environmental Guidance
Electrostatic dis-charge (ESD) IEC 61000-4-2	8 kV contact 15 kV air	8 kV contact 15 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines ±1 kV for input/output lines	Main power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV line(s) to line(s) ±2 kV line(s) to earth	±1 kV line(s) to line(s) ±2 kV line(s) to earth	Main power quality should be that of a typical commercial or hospital environment.
Interruptions and voltage variations on power supply input lines IEC 61000-4-11	Voltage Dips 0% reduction for 0.5/1 cycle at 50Hz 70% reduction for 25/30 cycle at 50/60Hz Voltage Interruptions 0% reduction for 250/300 cycle at 50/60Hz	Voltage Dips 0% reduction for 0.5/1 cycle at 50Hz 70% reduction for 25/30 cycle at 50/60Hz Voltage Interruptions 0% reduction for 250/300 cycle at 50/60Hz	Main power quality should be that of a typical commercial or hospital environment. If the user of the model POC-421-14 SERIES requires continued operation during main power interruption, it is recommended that the model POC-421-14 SERIES be powered from an uninterruptable power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m	30 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

NOTE: *UT* is the A.C. main voltage prior to application of the test level.

Guidance and Manufacturer's Declaration – Electromagnetic Immunity

The model POC-421-14 SERIES is intended for use in the electromagnetic environment specified below. The customer or the user of the model POC-421-14 SERIES should assure that it is used in such an environment.

Immunity test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environmental Guidance
Conducted RF IEC 61000-4-6	3 and 6 Vrms 150 kHz to 80 MHz and specific ISM, AM frequency	3 and 6 Vrms 150 kHz to 80 MHz and specific ISM, AM frequency	Portable and mobile RF communications equipment should be used no closer to any part of the model POC-421-14 SERIES, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended Separation Distance $d = 1,2 \sqrt{P}$ 80 MHz to 800 MHz $d = 2,3 \sqrt{P}$ 800 MHz to 2,5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).
Radiated RF IEC 61000-4-3	3V/m 80 MHz to 2.7 GHz, and specific frequency	3V/m 80 MHz to 2.7 GHz, and specific frequency	Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol: 

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the POC-421-14 SERIES is used exceeds the applicable RF compliance level above, the POC-421-14 SERIES should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the unit.

b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Chapter 3

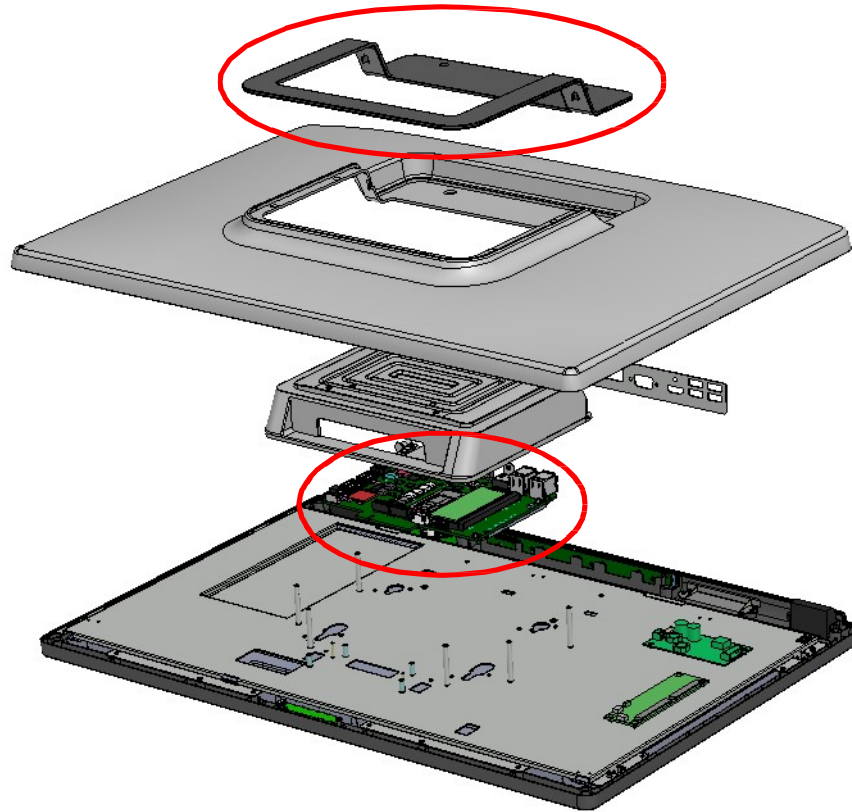
Installation Process of
Products and
Accessories

Only skilled person can remove the chassis covers to access the inside of the system, and follow these steps:

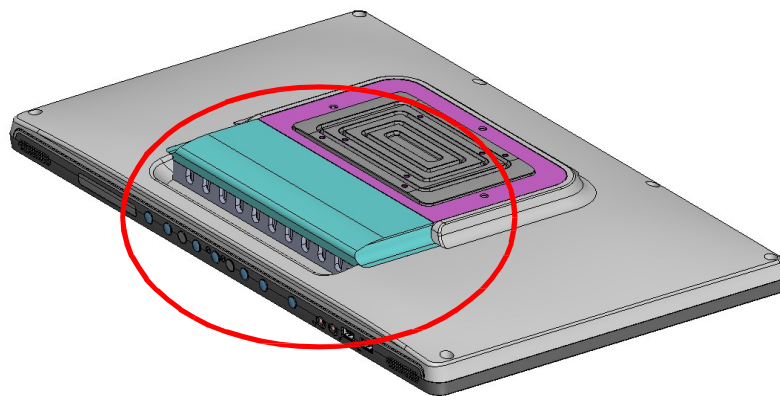
3.1 Install PC-BOX Pack into POC

Install the system for Standard Model

1. Install the LCD Touch module first, then process the PC BOX module, cover the rear cover, and finally close the decorative cover.



2. If IP54 accessories are required, you can install them.



Chapter 4

Operation and Safety

4.1 General Safety Guide

For your own safety and that of your equipment, always disconnect the power plug (by pulling the plug, not the cord):

- The power cord or plug is frayed or otherwise damaged.
- Any substance is spilled on the POC-421-14 system.
- The POC-421-14 system has been dropped or the case has been damaged.
- The POC-421-14 system needs servicing or repair.
- To clean the POC-421-14 system.

4.2 Thermal

The vent hole of the POC-421-14 Series rear cover functions as a cooling air flow inlet and outlet. These air inlets and outlets transfer heat from inside the computer to the cooler air outside. Do not block these holes/vents with any soft material.

When using your POC-421-14 SERIES system, it is normal for the rear metal heatsink to get warm. The rear metal heatsink of the POC-421-14 Series functions as a cooling surface that transfers heat from inside the computer to the cooler air outside.

Do not block this heatsink with any soft material.

4.3 Disconnect the Power

The only way to disconnect power completely is to unplug the power cord. Make sure at least one end of the power cord is within easy reach so that you can unplug the computer when you need to.

Warning! *Your AC cord came equipped with a three-wire grounding plug (a plug that has a third grounding pin). This plug will fit only a grounded AC outlet. If you are unable to insert the plug into an outlet because the outlet is not grounded, contact a licensed electrician to replace the outlet with a properly grounded outlet. Do not defeat the purpose of the grounding plug.*



Warning! *Never push objects of any kind into this product through the openings in the case. Doing so may be dangerous and result in fire or a dangerous electric shock.*



*Never place anything on system case before turning off the computer.
Never turn on your computer unless all of its internal and external parts are in place.
Operating the computer when it is open or missing parts can be dangerous and can damage your computer.*

4.4 Proper Handling

Handle your POC-421-14 system with care. The system is made of metal, glass and plastic and contains sensitive electronic components. Because POC-421 system is heavy object, please use two hands to handle it.

Warning! *Do not attempt to use the POC-421-14 system if it is damaged (for example, the case is cracked or broken) as this may cause injury.*



Caution!

1. *Setup and install POC-421-14 system on a stable work surface.*
2. *Do not push objects into the ventilation openings.*
3. *This FSP adapter is a medical grade adapter. (If no adapter is required, The cart must comply with IEC60601-1)*



Chapter 5

Install VESA Mounting

5.1 Install VESA Mounting

The POC-421-14 Series also provides standard VESA mounting to help system integrators conveniently integrate the panel PC into their system.

Never use mounting brackets except as provided by Advantech to prevent unreliable mounting of the POC-421-14 Series. VESA mount installation should be carried out by a professional technician; please contact a service technician or your retailer if you need this service.

Installation instructions follow:

1. First attach wall-mounting to the heat-sink of the POC-421-14 Series, securing it in place with the four Phillips-head screws provided.
2. Mount the unit on the wall, stand or other flat surface.

Warning! Be sure to secure the screws of the mounting bracket tightly. A loose joint between the POC-421-14 Series and mounting bracket may create danger of injury.

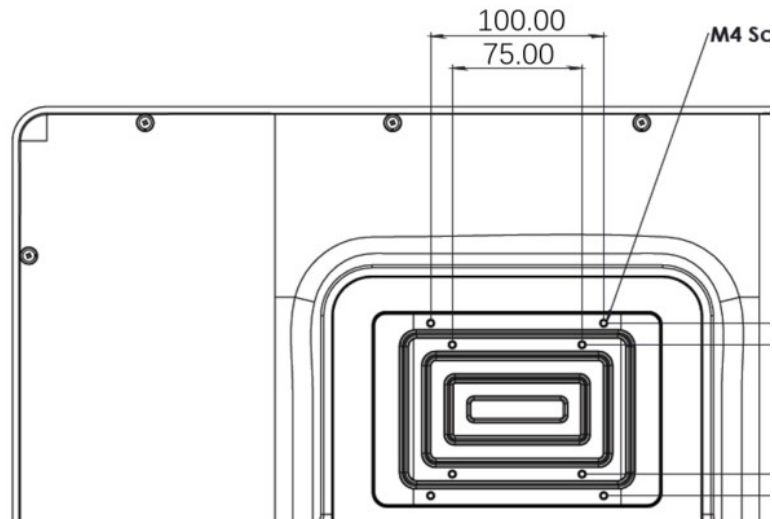


Figure 1.4 VESA Mounting of the POC-421-14 Standard Model

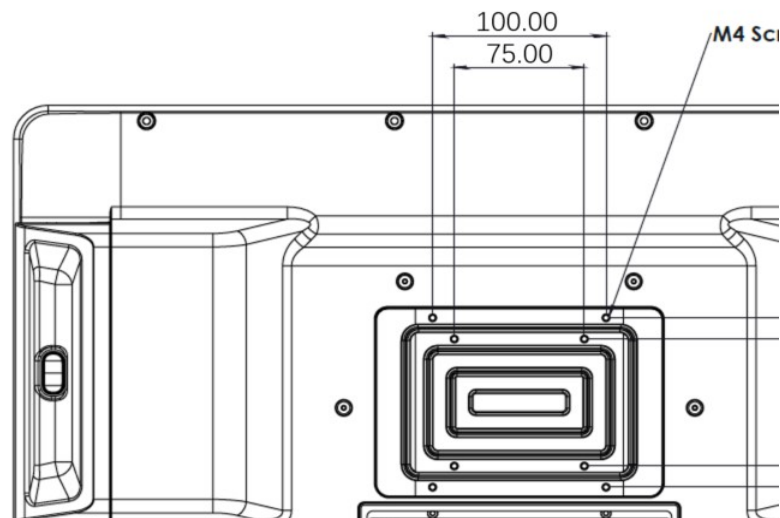


Figure 1.4 VESA Mounting of the POC-421-14 Battery Model

Chapter 6

Driver Installation

The POC-421-14 system supports Windows is WIN10 IOT/RS5 version or later, 64 bits only. Not support 32 bits driver anymore.

Warning! *Please use clean OS to install driver, otherwise, it might cause unexpect error.*



Windows Driver List:

Please follow your OS version to install proper driver.


7.1 Introduction


The POC-421-14 system front button function description.

Front button map



Button description:

Power button  : Press this button to power on/off system. When system ON.

Book light button  : Press this button to book light on/off.

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