

# Intelligent Healthcare

Enabling Intelligent Hospitals of the Future

- ✓ Medical Computing
- ✓ Medical Imaging
- ✓ Medical Specialties
- ✓ Medical Mobility
- ✓ iHospital Solutions



# Medical Platforms for Innovating Healthcare

- Knowledge and expertise
- Extensive industry experience
- Dedicated R&D
- Strict revision control
- Customization capabilities

As a leading provider of digital healthcare solutions, Advantech has collaborated with international medical equipment manufacturers and system integrators to develop its core competencies. Advantech's iHealthcare division assists hospitals and healthcare providers with establishing patient-centered treatment environments equipped with innovative digital healthcare platforms for delivering quality patient care.

All our medical computing solutions feature high-performance systems designed with the utmost quality to provide reliable support for critical healthcare applications. Built to satisfy strict industry regulations, Advantech's medical computing systems comply with UL60601-1 and EN60601-1 medical safety standards, feature IPX1-rated ingress protection and drip-proof enclosures, and are CCC certified for electrical safety. In addition to offering long-term product support, Advantech ensures that all its solutions are highly reliable, easy to install, and can be seamlessly integrated into existing hospital infrastructures.

## Point-of-Care Specialty Treatment

Increase healthcare accessibility and efficiency



### iWard/Nursing Solutions

Streamline workflows and improve patient care



### Mobile Medical Care

Enable patient-centric treatment



### OR Video Management

Improve surgical outcomes with interoperability

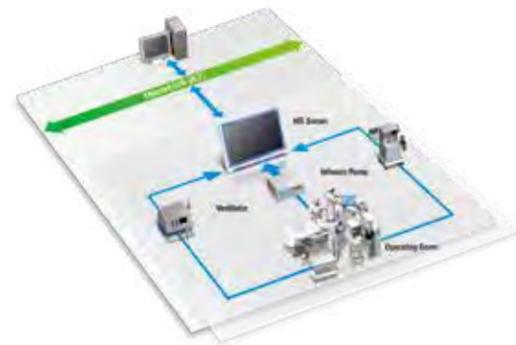
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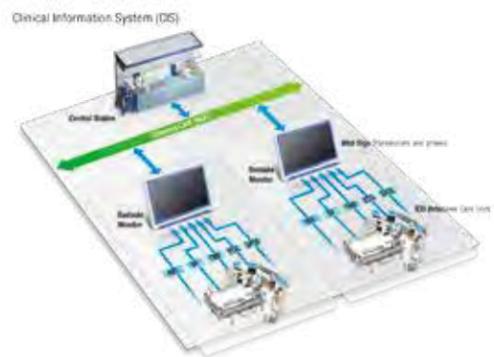
# Medical Computing

Healthcare organizations have experienced an explosion of data and are adopting edge computing architecture to digitize and improve patient care. To facilitate the digital transformation of healthcare, Advantech has developed its POC series for HMI and critical surgical applications, HIT series for iWard and nurse call applications, and USM series for AI healthcare applications.



## Perioperative Information Systems in ORs

Perioperative information systems support clinical and administrative decision-making regarding pre-, intra-, and post-operative procedures. Such solutions include a comprehensive anesthesia information system that documents each phase of the procedure and is integrated with patient monitoring equipment and anesthesia machines.



## Clinical Information Systems for Intensive Care

Clinical information systems integrate patient care applications and data management tools to facilitate rapid, informed decision-making at the point of care. These systems are employed in ICUs and at patient bedsides, can be accessed via the hospital network or an online browser, and improve data access in wards and during patient consultations.



Medical Certification



Modularized Design



Customization Service



High Performance

## DeviceOn/iService

TOTAL MANAGEMENT

REMOTE ACCESS

OPERATIONAL EFFICIENCY

As the use of medical computing devices is increasing in the healthcare industry, IT resources are required for conducting remote real-time device management, including status monitoring, software installation and maintenance, and troubleshooting. Advantech has developed its DeviceOn/iService platform for domain-focused system integrators and hospital IT administrators to manage numerous devices in real time with increased efficiency.



DeviceOn/iService

POC Series



## Critical Care

Critical care is typically provided in ICUs, emergency departments, and surgical areas where medical-grade computing systems are used to monitor patients' vital signs in real time. These systems then translate the collected physiological data into clinical information.

HIT Series



USM Series



## Patient Care

Integrated with IP-based nurse call systems, bedside information terminals and nursing station consoles enable caregivers to access electronic patient records, review test results, and document treatment outcomes.

## Medical AI

Medical-grade devices equipped with healthcare-focused AI technology and GPUs enable more precise diagnostic imaging via superior algorithms and accelerated computational processing.

In partnership with



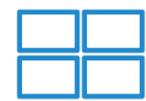
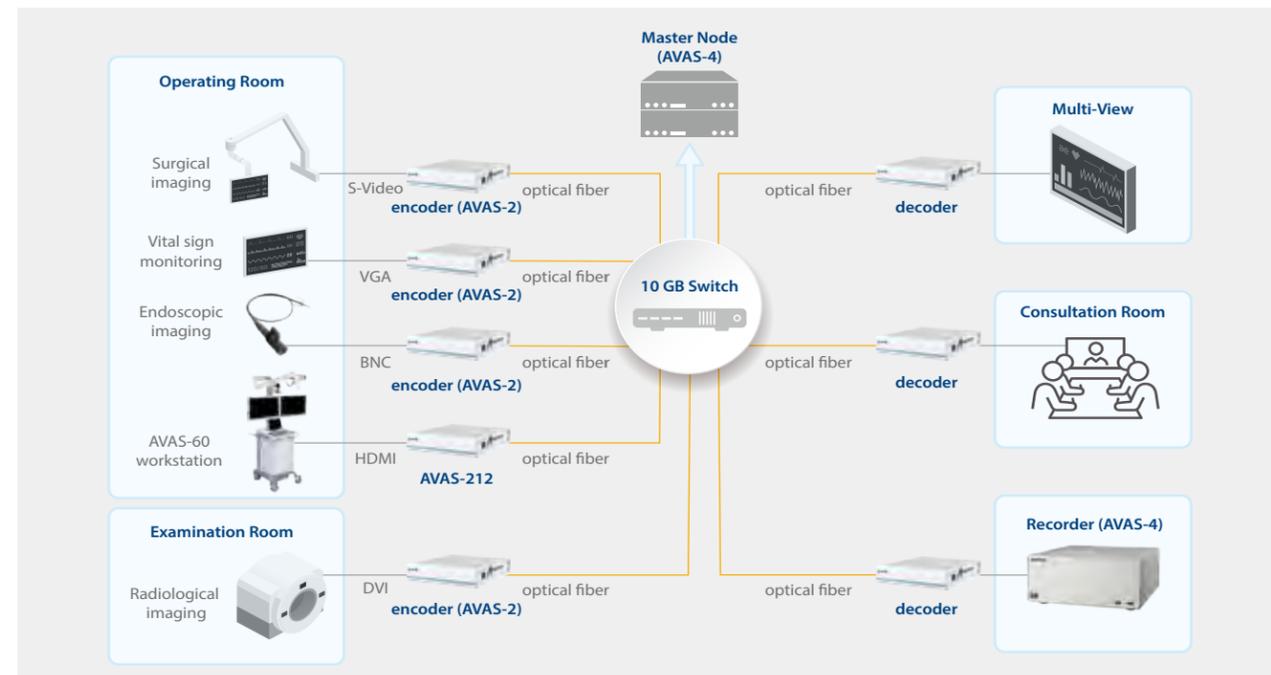
# Medical Imaging



AVAS Series

## Integrated IP-Based Solution for Operating Rooms

Cloud-based video streaming systems capable of handling high-quality imaging and real-time video from multiple sources are crucial for enabling centralized OR management and remote medical training/collaboration.



Multi-Screen Display



4K Resolution



Medical Certification



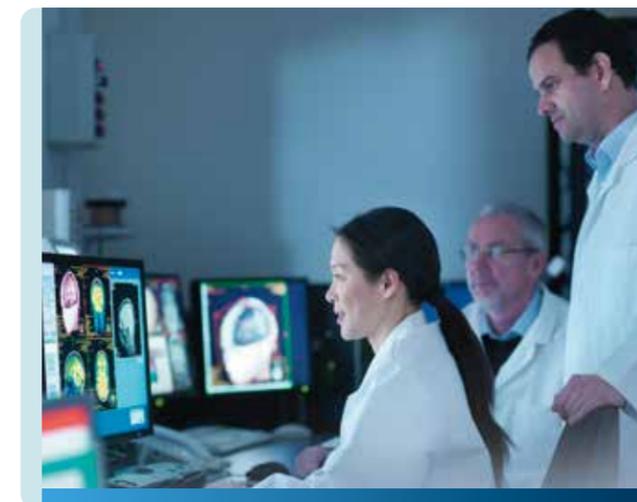
Zero Latency



PAX-3 Series

## Surgical Imaging

Surgical displays can be used as monitors during image-guided surgery or for presenting critical patient information in the OR, where precise display specifications are required due to the particular environment.



## Diagnostic Imaging

Diagnostic displays are designed for precise and consistent presentation of sensor/radiology data. Medical images are displayed to maximize visible details and allow radiologists to identify significant features for accurate diagnosis.



PAX-1 Series

## Clinical Review

Designed for multi-tasking applications, clinical displays feature versatile image controller boards with flexible connectivity to ensure convenient operation during clinical reviews/consultations.

# Medical Specialties

Advantech's medical-grade computers and displays minimize time-to-market by ensuring compliance with relevant industry regulations. With the flexibility to be customized for specific applications, Advantech's healthcare solutions can be easily deployed to support a wide range of medical specialties.



Medical Certification



Flexible Customization



RDT/HALT Test for Reliability

## Digital Dentistry

An intraoral scanning system is used to acquire the oral data, display real-time 3D rendering, design and produce the 3D model for the caregivers to facilitate diagnostics and outpatient services.

## Point-of-Care Terminal



## Point-of-Care Terminal Clinical Laboratory

A clinical laboratory analyzer is used in hospital and clinical laboratories to run automated biochemical tests to detect the presence and concentration of substances in the samples.



## Medical Cart & Point-of-Care Terminal Tele-ICU

The combo module for point-of-care terminal is featured in 4K camera and sound bar which enables clinicians and ICU staff interaction to consult on patient care remotely.

## Healthcare Information Terminal IP Nurse Call System

An IP nurse call system is a communication and management system equipped with IP technology for hospitals, clinics, nursing homes, and other healthcare institutions.



## Point-of-Care Terminal & Medical Display

## C-Arm Machine

A C-arm machine is a piece of medical imaging equipment that operates on the basic principle of X-ray technology. This fluoroscopy device is used to visualize patients' anatomy in the operating room during surgery.



## Medical Computer & Display Endoscopy

An endoscopy is a procedure to examine the inside of a person's body using an endoscope.

# Intelligent Medical Carts



AMiS Series

Nurses and healthcare professionals spend a considerable amount of time traveling between locations during the provision of patient care. This includes moving between nursing stations, wards, and patient rooms. Yet most hospitals are still using makeshift carts or simply mounting desktop computers and laptops onto portable trolleys.

## Introducing the AMiS Series

Advantech's medical carts are designed to move with busy healthcare professionals and facilitate the provision of quality care at the point of service. Equipped with wireless capabilities, mobile connectivity, and specialized applications, our AMiS series medical carts are developed to meet caregiver requirements, eliminate paper-based processes, and minimize data errors to facilitate the delivery of superior care.

## Product Features



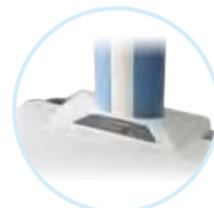
All-in-one touch computer



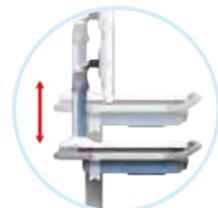
Cable management cavity



Diverse I/O



Battery monitor



Motorized height adjustment



Reliable battery



Easy accessory mounting



Water and dust resistance

## Nursing Care

For nurses, AMiS carts streamline documentation by eliminating paper-based processes, thereby reducing data errors and optimizing operational efficiency.



## Medication Safety

Advantech's medication box combined with our medTRx software improves medication administration for enhanced medication safety. The medication box supports versatile mounting for easy installation in diverse usage environments.



Table mounting



Wall mounting



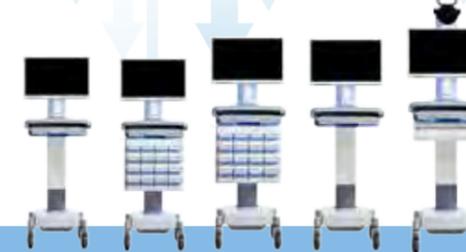
Cart mounting

## Telehealth

AMiS carts provide a telehealth solution that connects hospitals, care facilities, and community clinics in order to integrate medical resources and provide a zero-distance care network for responding to remote patients in real time. Telehealth not only reduces pressure on hospital workflows, but also expands the availability and delivery of quality healthcare.



DeviceOn/iService



## DeviceOn/iService

Advantech's DeviceOn/iService software is a comprehensive tool for managing applications and integrated peripherals. Compatible with Advantech devices that support the Windows, Linux, or Android operating systems, DeviceOn/iService is designed for flexible deployment.



DeviceOn/iService

# Medical Tablets for Mobile Healthcare



## Medical Practice

Advantech's medical tablets support multiple operating systems and wireless communication to ensure unlimited mobility for medical deployments. The inclusion of diverse I/O allows optional peripherals to be integrated to extend the system functions for a wide range of healthcare applications.

## Infection Control



### Medical Quality & Reliability

- Advantech's medical-grade tablets feature IP65-rated protection from dust and water ingress and have been drop-tested from a height of 120cm to ensure reliable operation.
- The inclusion of a long-life battery supports at least 8 hours of uninterrupted operation.
- UL/IEC 60601-1 and EN 1789 certified for medical safety, making it suitable for emergency services and inpatient/outpatient care applications.



Antimicrobial hand strap      Streamlined workflows

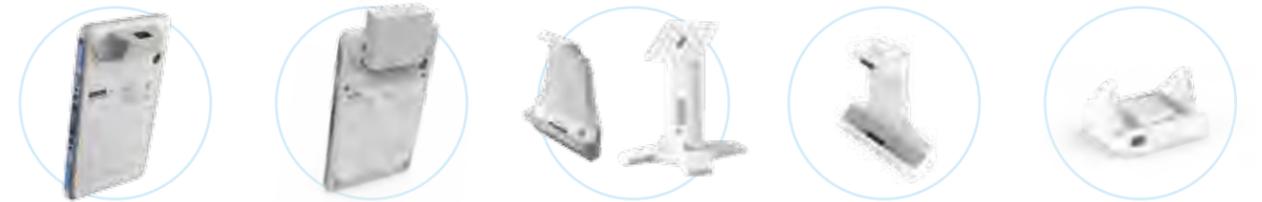


Water Resistant      Antimicrobial Surface      Drop Tolerant      Dust Resistant



## Outdoor/Emergency Applications

### Application-Oriented Peripherals



Barcode scanner 20°/70°      LAN + COM module      VESA dock/wall mount      Vehicle dock      Desk dock

## Portable Telehealth Suitcase

The AMiS-22 portable health kit can be integrated with various medical devices to support telehealth applications, clinical consultations, emergency services, and community-based telemedicine. By enable real-time communication with remote doctors, AMiS-22 expands healthcare access.



\*Refer to AMiS-22

In partnership with



# iHospital Solutions

Advantech's iHospital solutions are innovative offerings that include intelligent ward solutions, intelligent outpatient services, telehealth solutions, a real-time location system, as well as a centralized hospital management center to enable the realization of intelligent hospitals. These solutions can be rapidly deployed in diverse facilities to increase service efficiency and facilitate the provision of high-tech, patient-centered care.

## iHospital Command Center

- Data visualization for analysis
- Enables informed decision-making



## RTLS Solutions

- Track assets and optimize equipment use
- Ensure patient and staff safety in hospitals



## iWard Solutions

- Optimize nursing care
- Improve management of patient information and requests
- Improving medication safety



## iOutpatient Solutions

- Reduce patient queues/wait times
- Maximize treatment and service efficiency



## iBuilding Solutions

- Streamline operations, maintenance, equipment inspections, and facility management
- Monitor energy usage efficiency per hospital department



## WISE-STACK Private Cloud

- On-site solution for data collection from the edge to the cloud
- Enhances data security
- Compatible with all Advantech edge devices
- Equipped with flexible IaaS, PaaS, and cloud-based healthcare applications

## iTeleMed Solutions

- Expand healthcare access
- Reduce patient travel times

# iWard Solutions

Advantech's iWard solutions are turnkey offerings designed to assist healthcare workers and enhance patient care. Featuring high configuration flexibility and an intuitive user interface, iWard solutions facilitate the provision of clear information and interactive patient education for increasing patient engagement and optimizing healthcare outcomes.



## Key Features

- Standardized for rapid deployment
- Flexible configuration for diverse departments
- High extensibility for easy integration
- iMedication solution enhance the safeness and efficiency of medication administration.



# iTeleMed Solutions

Advantech's iTeleMed solutions expand remote access to medical care and increase the responsiveness of inpatient care. Doctors can use telehealth workstations to interact with patients and other medical professionals in real time via the video interface, while the provision of scheduling, examination portal, and reporting functions facilitates remote consultations and flexible treatment services.



## Key Features

- Appointment scheduling and create patient's information
- Various medical devices integration
- Video conferencing with HIPAA compliant
- Data collection and reporting after teleconsultation



## iOutpatient Solutions

Advantech's iOutpatient solutions comprise an information signage and queue management platform that can be integrated with hospital information systems (HIS) and patient check-in data to reduce wait times and optimize outpatient services for improved patient satisfaction.



### Key Features

- Integrated portal for managing signage displays and patient queuing system
- Enables monitoring and analysis for valuable insights that improve decision making

## RTLS Solutions

Advantech's real-time location system (RTLS) enables convenient location tracking and status monitoring of medical equipment, staff, and patients.



### Key Features

- People tracking
- Equipment positioning
- Dwell time analysis
- Real-time notifications

## iHospital Command Center

The iHospital Command Center integrates data collected by various hospital devices, as well as hospital information systems and electronic medical records, to provide a real-time overview of hospital operations. The data can be analyzed and compiled into reports to facilitate the optimization of internal hospital processes and resources.



### Key Features

- Precise integrated data
- Intuitive dashboard for easy navigation
- Automatically generate reports for management review

## iBuilding Solutions

Advantech's iBuilding solutions feature a standard microservice framework that integrates multiple subsystems to provide comprehensive tools for monitoring facility performance, energy usage, and property management.

POWERED BY  
ADVANTECH  
WISE-PaaS



### Key Features

- Manage energy usage, facility performance, inspection patrols, and intelligent surveillance
- Reduce operating costs and increase efficiency
- Provides operational insights that improve decision making

## WISE-STACK: Advantech's AIoT private cloud solution

Preloaded multiple low-code AIoT application framework services for data collection, data visualization, and AI applications. It significantly reduces the complexity of constructing the cloud services for modern medical data processes and the difficulty of future upgrades.



### Key Features

- Integrate all data: Collect and transform data from different protocols into a unified API for data visualization and AI process
- Level security up: Data secured by safe data format, high-level encrypted networking, DB/storage conserving mechanism
- You can count on it: Reliable and scalable industrial-grade infrastructure design

# Application Stories



## Brandon Medical and Entoli Medical Collaborate with Advantech to Improve Operating Room Efficiency

 United Kingdom

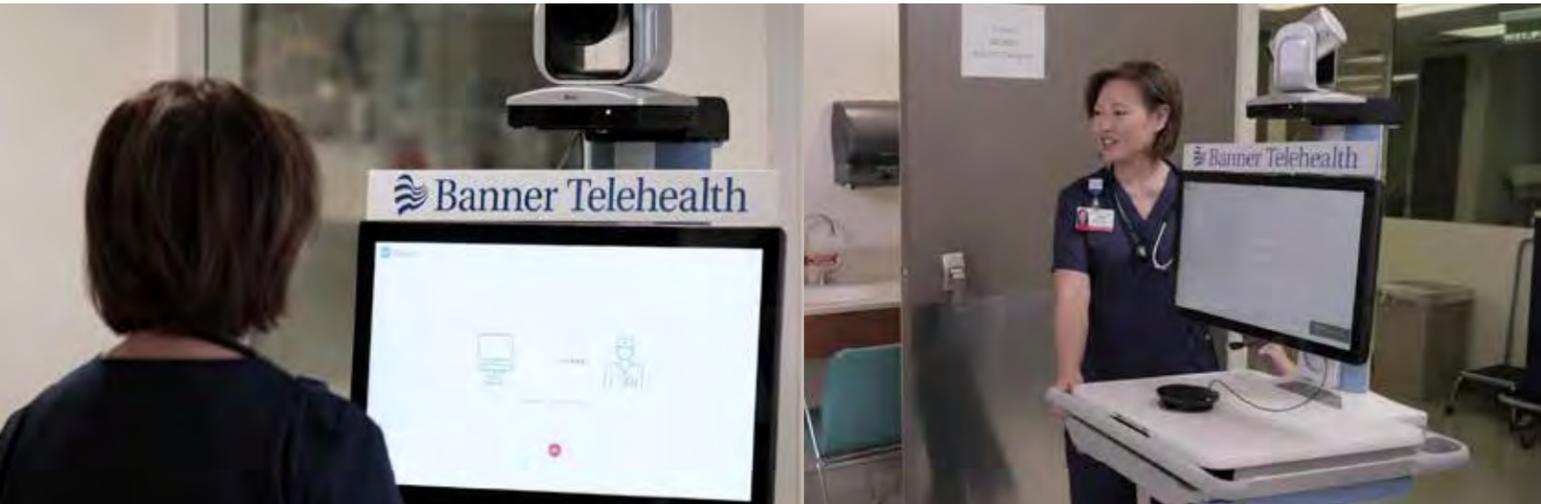
Hospital operating rooms have become a key transformation area for realizing intelligent healthcare. Accordingly, together with Brandon Medical, a medical equipment manufacturer, and Entoli Medical, a video software solution provider, Advantech developed a highly efficient, integrated 4K OR medical controller solution for achieving intelligent ORs. The solution featured an Entoli™ medical controller and Advantech's AVAS-212 video streamer for integrating complex data that could then be viewed on Advantech's PAX-327/332 medical-grade surgical monitor. This integrated OR computing solution supports multiple data streams, allowing surgeons to manage video and information from multiple sources on a single platform to improve OR efficiency.



## Digitizing ORs at Erasmus University Hospital with 4K Ultra HD Lossless Video-over-IP Solution

 Netherlands

Erasmus University Hospital in Rotterdam is the largest hospital in the Netherlands. To upgrade their facilities, the hospital wanted to implement digital operating rooms (ORs) equipped with a multimedia video streaming solution. Advantech, together with partners INTER and Technolution, helped develop and implement the video streaming solution in the hospital's 26 operating rooms. The solution was designed to optimize the OR workflow by allowing medical staff to access all data relevant to the operation, such as patient information, imaging results, and treatment videos, from a single centralized platform during each stage of the operation. Moreover, video streams can be shared between ORs and broadcast to different hospitals and lecture rooms for remote consultation and doctor training. In terms of design, the solution was based on Technolution's SigmaXG video-over-IP technology, which supports low-latency 4K ultra HD video streaming. Advantech's surgical monitors equipped with an NDcoder were also deployed. Finally, INTER's ORflow platform was installed in all ORs. The solution provides doctors convenient access to perioperative information and enables administrators to easily record videos for telemedicine or educational purposes.



## Banner Health Implements an Emergency Room and ICU Telehealth Solution to Expand Healthcare Services

 United States

Banner Health is one of the largest non-profit healthcare systems in the U.S. Headquartered in Phoenix, Arizona, Banner Health operates 28 acute-care hospitals and several specialized facilities offering an array of other services. Advantech, together with software partner VeeMed, leveraged their joint capabilities to develop a hardware solution for Banner Health. The solution featured Advantech's AMIS-50ETA medical cart, which was specifically designed for telemedicine applications. The integrated camera, speaker, and microphone, combined with virtual care software provided a complete ready-to-deploy solution. The AMIS carts were installed in hospital ICUs and ERs to allow doctors to provide healthcare treatment remotely. On-site care providers can also use the carts to conduct treatment consultations with specialists, thereby increasing patient access to quality medical care. Finally, the AMIS cart was able to be customized with the company logo, unifying branding and promoting awareness of their new Banner Telehealth department.



## TMM Software Deploys Advantech's HIT Terminals in Hospital Wards to Optimize Patient Care

 France

In 2020, TMM Software partnered with Advantech to provide intelligent computing solutions for patient wards to three French hospitals—Institut de Réadaptation d'Achères, Centre Hospitalier Alpes Léman, and Sainte-Marie. Approximately 650 of Advantech's HIT-W101LP and HIT-W183 multifunctional devices integrated with MultiMed software, an Android-based multimedia platform, were deployed in these hospital to serve as bedside infotainment terminals. With the inclusion of MultiMed software, Advantech's HIT terminals offered an innovative turnkey solution that enables patient access to entertainment, hospital information, and services, as well as staff access to medical data at patient bedsides for improved service efficiency and patient satisfaction.



### ECK Hospital Installs Advantech's iWard Solution Suite to Digitize Wards and Transform Nursing Care



Taiwan

In 2017, En Chu Kong Hospital adopted Advantech's iWard solution in order to optimize nursing care and improve the patient experience. The iWard solution comprised a nursing control station and nursing dashboard, as well as bedside information terminals (BITs). By integrating the nursing control station with hospital information systems (HIS), nursing staff can use the nursing dashboard to access patient data, ward information, and request notifications. In the wards, patients can use the BITs to request nurse assistance and review their treatment information. By implementing Advantech's iWard solution, En Chu Kong Hospital was able to improve patient satisfaction and increase data integration to deliver high-quality healthcare.

### Benelux Hospital Adopts Point-of-Care Terminals to Establish a Patient Data Management System



Netherlands

Dutch hospital, Benelux Vitaal B.V., wanted to improve bedside care in intensive care units (ICUs) and critical care units (CCUs) by implementing a patient data management system (PDMS). A PDMS provides medical staff with instant access to all treatment data, test results, and patient information at the point of care. Moreover, it improves nursing workflows by simplifying documentation and data validation. Advantech's medical-grade point-of-care (POC) terminals were adopted to establish a PDMS that could be integrated with electronic medical records (EMRs). Certified to medical safety standards, the terminals are ideal for deployment in various settings, including operating rooms, critical care units, and specialty departments. For Benelux, realizing a PDMS with POC terminals, particularly in intensive care units, provided a convenient solution for delivering high-quality, patient-centric care directly at the point of service.



### Advantech's AMiS eMedication Solution Boosts Nursing Care Quality at Antonius Hospital



Netherlands

Delivering high-quality healthcare is a key priority for Dutch hospitals. Moreover, hospital digitization is considered important for improving care quality and reducing medication errors. Because approximately 40% of medication errors result from administration/data input errors, this is a clear area for improvement. Accordingly, Antonius Hospital in Sneek decided to implement a fully digitized medication prescription and administration process based on PIN/barcode verification. Advantech's AMiS medication box CL is a medication box with 16 large compartments and a touch display. The box features an electronic locking mechanism that restricts access to verified healthcare personnel only. Users will need to enter a PIN code to simultaneously open or close all compartments for easy administration.



### Heroic Faith Medical Partners with Advantech to Launch Innovative Continuous Respiratory Monitoring Solution



Taiwan

The AI-powered respiratory sound continuous monitoring system provides a solution for continuous monitoring of patient breathing and is aimed at reducing the workload of nursing staff. The AIM-75H tablet facilitates data collection and access at patient bedsides, and transmits data to the USM-500 edge-computing device. The system's 9th generation Intel® Core™ i7 processor is pre-installed with Intel's Distribution of OpenVINO toolkit, which ensures stable, reliable, and efficient AI-based visual and audio processing.

For hospital administrators, the system can resolve staff shortages caused by the labor-intensive task of monitoring patient breathing at bedsides. With this system, a single edge computing host can be used to monitor the respiratory status of 24 patients concurrently, providing a cost-effective nursing solution for hospitals.

# Product Selection Guide

## POC-6 Point-of-Care Terminals



		POC-615	POC-621	POC-624
System	Processor*	Intel® Core™ i7-8665UE (8M cache, 4.40 GHz)/i5-8365UE (6M cache, 4.10 GHz)	Intel® Core™ i7-8665UE (8M cache, 4.40 GHz)/i5-8365UE (6M cache, 4.10 GHz)	Intel® Core™ i7-8665UE (8M cache, 4.40 GHz)/i5-8365UE (6M cache, 4.10 GHz)
	Memory	8 GB DDR4 SODIMM (up to 16 GB)	8 GB DDR4 SODIMM (up to 32 GB)	8 GB DDR4 SODIMM (up to 32 GB)
	Operating System	Windows 10 IoT Enterprise (64 bit), Linux (upon request)	Windows 10 IoT Enterprise (64 bit), Linux (upon request)	Windows 10 IoT Enterprise (64 bit), Linux (upon request)
Storage	Primary Storage	256 GB NVME SSD (M.2 2280)	256 GB NVME SSD (M.2 2280)	256 GB NVME SSD (M.2 2280)
	Secondary Storage	-	2.5" SATA SSD optional	2.5" SATA SSD optional
Display	Size	15.6"	21.5"	23.8"
	Max. Resolution	1920 x 1080 Full HD	1920 x 1080 Full HD	1920 x 1080 Full HD
Touch	Type	10-point P-CAP multi touch (clear glass); (optional AG/AR support upon request)	10-point P-CAP multi touch (clear glass); (optional AG/AR support upon request)	10-point P-CAP multi touch (clear glass); (optional AG/AR support upon request)
I/O Port	USB 3.2 Gen 2 (Type A)	2	2	2
	USB 3.2 Gen 2 (Type C)	1 (with display function)	1 (with display function)	1 (with display function)
	HDMI	1	1	1
	LAN	2 (with 1.5kV isolation)	2 (with 1.5kV isolation)	2 (with 1.5kV isolation)
	USB 2.0 Type A	2	4	4
	Mic-In/Headphone Out	-	1/1	1/1
	COM (RS-232)	1 (with 1.5kV isolation)	2 (with 1.5kV isolation)	2 (with 1.5kV isolation)
Expansion Slots	PCIe x4	1 (card length: 167.65 mm/6.6 in)	1 (card length: 167.65 mm/6.6 in)	1 (card length: 167.65 mm/6.6 in)
	M.2 2230	1 (for Wi-Fi/Bluetooth modules)	1 (for Wi-Fi/Bluetooth modules)	1 (for Wi-Fi/Bluetooth modules)
	Mini PCIe	1 (full size)	1 (full size)	1 (full size)
Additional Features	Speaker	2 x 2W	2 x 2W	2 x 2W
	LED Backlight	2	2	2
	Camera	5 megapixel (optional)	5 megapixel (optional)	5 megapixel (optional)
	TPM 1.2/2.0	2.0 (default via software)	2.0 (default via software)	2.0 (default via software)
	Power Input	DC: 18V, max. 100W	DC: 18V, max. 100W/AC: 100 ~ 240V, max. 150W	DC: 18V, max. 100W/AC: 100 ~ 240V, max. 150W
IP Rating	Front Panel	IP65	IP65	IP65
	Whole System	IP43	IP54	IP54
Authentication Solution (Select 1)	RFID	Optional (select either RFID or smart card reader)		
	Smart Card Reader	Optional (select either RFID or smart card reader)		
Battery Solution (Select 1)	Backup Battery	Optional (select either backup battery or PCIe x4)**	Optional (select either backup battery or PCIe x4)**	Optional (select either backup battery or PCIe x4)**
	Hot-Swappable Battery Module	N/A	Optional(select either backup battery or battery module)	Optional(select either backup battery or battery module)
Certification	EMC & Safety	Medical CE, FCC, EN 60601-1, UL 60601-1	Medical CE, FCC, EN 60601-1, UL 60601-1	Medical CE, FCC, EN 60601-1, UL 60601-1
Mechanical	Dimensions (W x H x D)	406 x 274 x 61 mm/15.98 x 10.79 x 2.4 in	524 x 357 x 62 mm/20.63 x 14.06 x 2.44 in	583 x 387 x 68 mm/22.95 x 15.2 x 2.68 in
	VESA Mount	100 x 100; 75 x 75	100 x 100; 75 x 75	100 x 100; 75 x 75

\* Intel® Celeron® processor available upon request \*\* If a backup battery is installed, neither a 2.5" SSD nor a battery module can be installed.

## Accessories for POC-6

(Only available for 21" and 24" models)



Battery Module	
Battery Type	Lithium-ion
Battery Capacity	90W
Total Capacity	180W (2 x batteries, 90W per battery)
Battery Runtime	6 ~ 8 hours
Battery Lifespan	300 cycles >= 70%
LED Indicator	Battery capacity indicator
Weight	1.8 kg/1.1 lb

Camera Module		
Camera	Max. Resolution	4K
	Zoom Adjustment	4X ePTZ
	Video Format	MJPG/H.264/H.265/YUY2
	Frame	30/25/20/15/10/5 FPS
	Protocol	UVC 1.0 ~ 1.5
Sound Bar	Speaker	8W, 100 ~ 240 KHz
	Microphone	Built-in omnidirectional microphone array
	Pickup Range	3 ~ 5 meters
Audio Features	Automatic echo cancellation, automatic noise suppression	

## POC-4 Multimodal Point-of-Care Terminals



		POC-421	POC-424
System	Processor	Intel® Core™ i5-8365UE (8M cache, up to 4.10GHz)/Celeron® 4305UE (2M cache, up to 2.20 GHz)	Intel® Core™ i5-8365UE (8M cache, up to 4.10GHz)/Celeron® 4305UE (2M cache, up to 2.20 GHz)
	Memory	8 GB DDR4 SODIMM (up to 16 GB)	8 GB DDR4 SODIMM (up to 16 GB)
	Operating System	Windows 10 IoT Enterprise (64 bit), Linux (upon request)	Windows 10 IoT Enterprise (64 bit), Linux (upon request)
Storage	Primary Storage	NVME/SATA SSD (M.2 2280)	NVME/SATA SSD (M.2 2280)
Display	Size	21.5"	23.8"
	Max. Resolution	1920 x 1080	1920 x 1080
Touch	Type	10-point multi touch P-CAP (clear glass)	10-point multi touch P-CAP (clear glass)
I/O	USB 3.1 Gen 1 (Type A)	4	4
	HDMI	1	1
	LAN	2	2
	COM (RS-232)	1 (optional)	1 (optional)
Expansion Slots	M.2 2230 E. Key	1 (for Wi-Fi/Bluetooth module)	1 (for Wi-Fi/Bluetooth module)
	Speaker	2 x 2W	2 x 2W
Other Functions	Camera	1 x 5 megapixel (optional)	1 x 5 megapixel (optional)
	TPM 1.2/2.0	2.0 (default via software)	2.0 (default via software)
	DC/AC	12 VDC, 84W max.	12 VDC, 84W max.
IP Rating	Front Panel	IP65	IP65
	Entire System	IPX1 (IP54 optional)	IPX1 (IP54 optional)
Authentication Solution (Select 1)	RFID Reader	Optional (select either RFID or smart card reader)	Optional (select either RFID or smart card reader)
	Smart Card Reader	Optional (select either RFID or smart card reader)	Optional (select either RFID or smart card reader)
Certification	EMC & Safety	Medical CE, FCC (IEC 60601-1-2, Ed. 4)	Medical CE, FCC (IEC 60601-1-2, Ed. 4)
Mechanical	Dimensions (W x H x D)	524 x 357 x 58 mm/20.63 x 14.06 x 2.28 in	583 x 387 x 63 mm/22.95 x 15.2 x 2.48 in
	Weight	6.29 kg/13.86 lb	7.78 kg/17.15 lb
	VESA Mount	100 x 100; 75 x 75 mm	100 x 100; 75 x 75 mm
Environment	Operating Temperature	0 ~ 35 °C/32 ~ 95 °F	0 ~ 35 °C/32 ~ 95 °F
	Storage Temperature	0 ~ 50 °C/32 ~ 122 °F	0 ~ 50 °C/32 ~ 122 °F
Warranty	System	2 years	2 years

## POC-S Point-of-Care Terminals



		POC-S199
System	Processor	Intel® Core™ i7 6600U (4M cache, 3.4 GHz)/i5 6300U (3M cache, 3.0 GHz)
	Storage	500 GB HDD (default)
	Graphics	Intel® HD Graphics 520/510
	Operating System	Windows 7/10 IoT
I/O	Display Type	19" LED PANEL (1280 x 1024)
	PCIe	2 x Mini PCIe
	Serial Port	2 x RS-232/422/485 (isolated)
	USB Port	2 x USB3.0 ports, 2 x USB2.0 ports
	HDMI	1 x HDMI
	Display Port	1 x DP
	Audio	2 speakers
Power Supply	LAN	2 x Gigabit Ethernet (isolated)
	DC Model	AC/DC adapter (Sinpro Model no. HPU101-107)
	Input Voltage	100 ~ 240 V <sub>AC</sub> , 1.35 ~ 0.5 A1, 47 ~ 63 Hz
Optional Functions	Output Voltage	+18 V <sub>DC</sub> , 5.55 A max. (100 watts)
	Battery	3S1P 1750mAh
	HDD/SSD/mSATA	2.5" HDD/SSD, mini-PCIe mSATA
	Wireless	Wi-Fi with Bluetooth 4.1
IP Rating	Others	RFID/Smart card reader
	Entire System	IP54
Certifications	EMC & Safety	UL60601-1/EN60601-1 Ed. 3.1, CE & FCC Class B certified
Mechanical	Dimensions (W x H x D)	470.5 x 415.2 x 75.64 mm/18.52 x 16.35 x 2.98 in
	Weight	7.4 kg/16.31 lb
VESA Mounting	75 x 75 mm, 100 x 100 mm	

## POC-IPSM90 Intelligent Power System



		POC-IPSM90
Intelligent Power System	Battery Type	Up to 3 x hot-swappable 3S3P lithium-ion battery cells
	Battery Capacity	90W each, 270W total
	Battery Lifetime	300 cycles >= 70%
	Standard Voltage	10.8V (3.6V/cell)
	Standard Capacity	8400mAh (2800mAh/cell)
	Cutoff Discharge Voltage	9V
	Charge Voltage	12.3V (4.1V/cell)
	Discharge Current	10.05A max.
	Charge Current	5.025A max.
	LED Indicator	1 x Battery capacity indicator with 5 levels
DC-Out	Taper Current	0.45A
	Pre-Charge Current	1A
	Output Voltage	12V, 17V, 19V, 24V
Output Power	90W max.	
IP Rating		IP54
Certification		Power system: IEC60601-1-2 Ed.4, IEC60601-1 Charging station: IEC62368 Battery pack: UN38.3, UL2054, IEC62133
Weight		4 kg/8.81 lb (with 3 x battery packs)
Dimensions (W x H x D)		563.8 x 125 x 76.5 mm/22.19 x 4.92 x 3 in
Power	Power Input	100 ~ 240 VAC
	Power Output	19V/7.89A, 150W

# Product Selection Guide

Note: Images are not scaled proportionally

## PAX-1 Medical Displays



		PAX-121	PAX-121	PAX-124	PAX-124	
LCD	Modularity	Multimodal	Fixed model	Multimodal	Fixed model	
	Resolution	FHD 1920 x 1080				
	Screen Size	21.5"	21.5"	23.8"	23.8"	
	Aspect Ratio	16:9	16:9	16:9	16:9	
	Pixel Pitch	0.24795 x 0.24795 mm	0.24795 x 0.24795 mm	0.2745 x 0.2745 mm	0.2745 x 0.2745 mm	
	Viewing Angle	178/178	178/178	178/178	178/178	
	Contrast Ratio	1000:1	1000:1	3000:1	3000:1	
	Native Luminance	250 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	
	Color Depth	8-bit, 16.7M	8-bit, 16.7M	8-bit, 16.7M	8-bit, 16.7M	
	Display Mode	AHVA	AHVA	VA	VA	
	Response Time	22 ms (Tr + Tf)	22 ms (Tr + Tf)	16 ms (Tr + Tf)	16 ms (Tr + Tf)	
	Touchscreen	10-point P-CAP (optional)	10-point P-CAP (optional)	10-point P-CAP (optional)	10-point P-CAP (optional)	
	Input	DP 1.2 Input	1	1	1	1
		HDMI 1.4 Input	1	1	1	1
		DVI Input	1	1	1	1
USB Up		1	1	1	1	
KeyPad		1 button	5 button	1 button	5 button	
DCC/Ci remote		Yes	Yes	Yes	Yes	
DC Power Input		1	1	1	1	
Optional Input		Audio Input	1	1	1	1
		AVAS NDcoder	2 x SFP+ module	2 x SFP+ module	2 x SFP+ module	2 x SFP+ module
Output	HDMI 1.4 Output	1	1	1	1	
	Audio Output	1	1	1	1	
Temperature	Operational	0 ~ 40 °C				
	Storage	-20 ~ 60 °C				
Humidity	Operational	Ta = 40 °C , 90% RH (Non condensed)	Ta = 40 °C , 90% RH (Non condensed)	Ta = 40 °C , 90% RH (Non condensed)	Ta = 40 °C , 90% RH (Non condensed)	
	Storage	5% ~ 90%	5% ~ 90%	5% ~ 90%	5% ~ 90%	
Pressure	Operational	500 hPa to 1013 hPa				
	Storage	500 hPa to 1013 hPa				
Power	Rating	12 VDC, 5A max.				
	Consumption	15.86 W	15.86 W	20.00 W	20.00 W	
Mechanical	IP Rating	IP65 Front, IP54 (optional kit)				
	VESA Mount	75x75mm/100x100mm	75x75mm/100x100mm	75x75mm/100x100mm	75x75mm/100x100mm	
	Dimensions (W x D x H)	524.00 x 357.00 x 58.00 mm / 20.62 x 14.05 x 2.28 in	524.00 x 357.00 x 58.00 mm / 20.62 x 14.05 x 2.28 in	583.00 x 387.00 x 63.00 mm / 22.95 x 15.23 x 2.48 in	583.00 x 387.00 x 63.00 mm / 22.95 x 15.23 x 2.48 in	
	Weight	6.10Kg /13.45 lb	6.10Kg /13.45 lb	7.38Kg/16.27 lb	7.38Kg/16.27 lb	
	Certification	EMC & Safety	CCC, CE, FCC, UL (IEC 60601-1-2)	CCC, CE, FCC, UL (IEC 60601-1-2), EN 60601-1 MDR	CCC, CE, FCC, UL (IEC 60601-1-2)	CCC, CE, FCC, UL (IEC 60601-1-2), EN 60601-1 MDR
Warranty		2 Years	2 Years	2 Years	2 Years	
Accessories		1 x Power adapter				

## PAX-3 Medical Displays



		PAX-324	PAX-327		PAX-332		PAX-355	
LCD	Resolution	FHD 1920 x 1200	FHD 1920 x 1080	4K 3840 x 2160	FHD 1920 x 1080	4K 3840 x 2160	4K 3840 x 2160	
	Screen Size	24.1" (518.4 x 324.0 mm)	27" (597.88 x 336.31 mm)	27" (596.16 x 335.34 mm)	31.55" (698.4 x 392.9 mm)	32" (708.48 x 398.52 mm) / 31.5" (697.3056 x 392.2344)	55" (1209.6 x 680.4 mm)	
	Aspect Ratio	16:10	16:9	16:9	16:9	16:9	16:9	
	Pixel Pitch	0.270 x 0.270 mm	0.3114 x 0.3114 mm	0.15525 x 0.15525 mm / 0.1554 x 0.1554 mm	0.36375 x 0.36375 mm	0.1845 x 0.1845 mm / 0.18159 x 0.18159 mm	0.315 x 0.315 mm	
	Viewing Angle	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	
	Contrast Ratio	1000:1	1000:1	1000:1/1300:1	1300:1	1350:1 / 1500:1 / 1000:1	1100:1	
	Native Luminance	350/900 cd/m <sup>2</sup>	300/1000 cd/m <sup>2</sup>	350/800 cd/m <sup>2</sup>	450 cd/m <sup>2</sup>	350 / 700 / 850 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	
	Color Depth	8-bit 16.7M/10-bit 1.07B colors		10-bit 1.07B colors	8-bit 16.7M colors		10-bit 1.07B colors	10-bit 1.07B colors
	Display Mode	AH-IPS/AHVA	AHVA / ADS	AHVA / IPS	AH-IPS	AHVA / MVA / ADS	IPS	
	Response Time	14 ms (G to G)/14 ms (Tr + Tf)/16 ms (Tr + Tf)			25 ms (G to G)	18 ms (Tr + Tf) / 12ms (G to G) / 14ms (G to G)	8 ms (G to G)	
	Touchscreen	10-point P-CAP (optional)	10-point P-CAP (optional)	10-point P-CAP (optional)	10-point P-CAP (optional)	10-point P-CAP (optional)	10-point P-CAP (optional)	
	Input	DP 1.2 Input	1	1	1	1	1	1
		HDMI 2.0 Input	1	1	1	1	1	1
		HDMI 1.4 Input	-	-	-	-	-	4 or -
		DVI Input	2	2	1	2 or 1	1	- or 1
SDI1 Input		1	1	-	1	-	-	
S-Video Input		1	1	-	1	-	-	
Video Input		1	1	-	1	-	-	
USB Up		1	1	1	1	1	1	
USB Down		-	-	-	-	-	2 or -	
RS-232C	1	1	1	1	1	- or 1		
DC Power Input	1	1	1	-	-	-		
Optional Input	RGB Input	1 (via expansion module)	1 (via expansion module)	-	1 (via expansion module)	-	1	
	Audio Input	1 (via expansion module)	1 (via expansion module)	-	1 (via expansion module)	-	1	
	AVAS NDcoder	1 x SFP+ module, 1 x LAN RJ-45 jack via module	1 x SFP+ module, 1 x LAN RJ-45 jack via module	1 x SFP+ module, 1 x LAN RJ-45 jack via module	1 x SFP+ module, 1 x LAN RJ-45 jack via module	1 x SFP+ module, 1 x LAN RJ-45 jack via module	-	
Output	SDI2 Input	1 (available upon request)	1 (available upon request)	4 or 1 (via expansion module)	-	4 or 1 (via expansion module)	4 or 1 (via expansion module)	
	DVI Output	2	2	1	2 or 1	1	- or 1	
	SDI1 Output	1	1	-	1	-	-	
	S-Video Output	1	1	-	1	-	-	
	Video Output	1	1	-	1	-	-	
	DP 1.2 Output	-	-	- or 1	-	- or 1	1	
Optional Output	HDMI 2.0 Output	-	-	1	-	1	- or 1	
	DC Power Output	1 x DC jack, 5 or 12VDC	1 x DC jack, 5 or 12VDC	1 x DC jack, 5 or 12VDC	1 x DC jack, 5 or 12VDC	1 x DC jack, 5 or 12VDC	- or 1 x DC jack, 5 or 12 VDC	
	Audio Output	1 (via expansion module)	1 (via expansion module)	-	1 (via expansion module)	-	1	
Environmental	SDI2 Output	1 (available upon request)	1 (available upon request)	4 or 1 (via expansion module)	-	4 or 1 (via expansion module)	4 or 1 (via expansion module)	
	Operating Temperature	0 ~ 40 °C/32 ~ 104 °F	0 ~ 40 °C/32 ~ 104 °F	0 ~ 40 °C/32 ~ 104 °F	0 ~ 40 °C/32 ~ 104 °F	0 ~ 40 °C/32 ~ 104 °F	0 ~ 40 °C/32 ~ 104 °F	
	Storage Temperature	-20 ~ 60 °C/-4 ~ 140 °F	-20 ~ 60 °C/-4 ~ 140 °F	-20 ~ 60 °C/-4 ~ 140 °F	-20 ~ 60 °C/-4 ~ 140 °F	-20 ~ 60 °C/-4 ~ 140 °F	-20 ~ 60 °C/-4 ~ 140 °F	
	Operating Humidity	Ta = 40 °C/104 °F, 90% RH	Ta = 40 °C/104 °F, 90% RH	Ta = 40 °C/104 °F, 90% RH	Ta = 40 °C/104 °F, 90% RH	Ta = 40 °C/104 °F, 90% RH	Ta = 40 °C/104 °F, 90% RH	
	Storage Humidity	5 ~ 90%	5 ~ 90%	5 ~ 90%	5 ~ 90%	5 ~ 90%	5 ~ 90%	
Power	Pressure	500 ~ 1013 hPa	500 ~ 1013 hPa	500 ~ 1013 hPa	500 ~ 1013 hPa	500 ~ 1013 hPa	500 ~ 1013 hPa	
	Rating	24 VDC, 4.16A max.	24 VDC, 4.16A max.	24 VDC, 6.25A max.	24 VDC, 10.41A max.	24 VDC, 10.41A max.	AC 100-240V, 50-60Hz, 6-3A	
	Consumption	67.2W max.	77.3W max.	100.4W max.	78.3W max.	168.5W max.	158W max.	
Mechanical	IP Rating	Front panel: IP65; top: IPX1			Front panel: IP65; top: IPX1		-	
	VESA Mount	100 x 100/75 x 75	100 x 100/75 x 75	100 x 100/75 x 75	100 x 100/75 x 75	100 x 100/75 x 75	600 x 400	
	Dimensions (W x D x H)	578.13 x 68 x 402.78 mm / 22.76 x 2.67 x 15.85 in	663.83 x 73.55 x 418.11 mm / 26.13 x 2.89 x 16.46 in	663.83 x 73.55 x 418.11 mm / 26.13 x 2.89 x 16.46 in	768.99 x 79.55 x 484.03 mm / 30.27 x 3.13 x 19.45 in	768.99 x 79.55 x 484.03 mm / 30.27 x 3.13 x 19.05 in	1279.0 x 747.4 x 75.0(102.5) mm / 50.35 x 29.42 x 2.95(4.03) in	
Certification	Weight	7.85 kg / 17.3 lb	9.6 kg / 21.16 lb	10.36 kg/22.83 lb	12.42 kg / 27.38 lb	13.79 kg / 30.4 lb	55.8 kg / 123.01 lb	
	EMC & Safety	CE MDR (EN60601-1; EN60601-1-2), RoHS II						
Warranty		3 years	3 years	3 years	3 years	3 years	3 years	
Accessories		1 x Power adapter	1 x Power adapter	1 x Power adapter	1 x Power adapter	1 x Power adapter	-	

# Product Selection Guide

## AVAS-2 Video-over-IP Streaming Boxes



		AVAS-212	AVAS-223
Video	Output Resolution	FHDp60, uncompressed 4Kp30, uncompressed 4Kp60, uncompressed	4Kp60 RGB 4:4:4, uncompressed
	Direct Display	Up to 4Kp60 UHD	
	Switching	Uncompressed video, latency < 1 frame	
	Multi-View	Single, picture-in-picture, side-by-side, quad view	
Audio		Analog audio in/out	
10G Network	Module	10GbE SFP+	20GbE SFP+
I/O	Video Interface	FHDp60 : DVI-D 0 in & out 4Kp30 : HDMI in & out 4Kp60 : HDMI in or out	4Kp60 : HDMI in or out
	USB Host	2 x USB 2.0 (type A connectors)	2 x USB 2.0 (type A)
	USD Device	1 x USB 2.0 (type B connector)	1 x USB 2.0 (type B)
	Ethernet	1 x RJ45 1GbE	-
	COM	1 x RS-232 (RJ10)	-
	DC-In	100 - 240 VAC/12VDC	
Environmental	Operating Temperature	0 ~ 40 °C/32 ~ 104 °F	
	Storage Temperature	0 ~ 40 °C/32 ~ 104 °F	
Dimensions (W x D x H)		176.5 x 220 x 44 mm/6.94 x 8.66 x 1.73 in	168 x 121 x 30.6 mm/6.61 x 4.76 x 1.2 in

## AVAS-4 Video Recorder and Management Servers



## AVAS-60 Mobile Workstation for Video Applications



		AVAS-402	AVAS-60
Video	Input Resolution	Up to 4Kp60 UHD	
	Output Resolution	Up to 4Kp60 UHD	
	Compression Format	MPEG2, H.264, H.265	
	Capture I/O*	4Kp60 : HDMI FHDp60 : SDI, DVI, Y/Pb/Pr, CVBS, S-Video	
Audio		2 (1 x mic-in, 1 x line-out)	
System	CPU*	Intel® Xeon® E-2278GE 8-core, (16 MB cache), 3.3 GHz Intel® Core™ i7-9700 8-core, (12 MB cache), 2.6 GHz	
	Memory*	16 GB DDR4 2400	
	HDD*		
	Other*	-	
10G Network	Module	-	
Video	Display Interface	1 x Display Port 1 x HDMI 1 x DVI-D	
	USB Host	10 (6 x USB 3.0, 4 x USB 2.0)	
	Ethernet	2 x RJ45 GbE	
	COM	1 x RS-232	
	AC Input	100 ~ 240VAC	
Environmental	Operating Temperature	0 ~ 40 °C/32 ~ 104 °F	
	Storage Temperature	-10 ~ 50 °C/14 ~ 122 °F	
Dimensions (W x H x D)		320 x 329 x 145 mm/ 12.59 x 12.95 x 5.7 in	
SDK Function		Streaming, capture, recording, control, playback, editing	
Base Cart	Dimensions	Footprint	525 x 525 mm/20.66 x 20.66 in
		Work Surface Height	1000 mm/39.37 in
		Total Height	1860 mm/73.22 in
		Angle Capacity	85°
	Video	ARM Extension	1550 mm/61.02 in
		Input Resolution	Up to 4Kp60 UHD
	Streaming	Output Resolution	Up to 4Kp60 UHD
		Compression Format	MPEG2, H.264, H.265
		Uncompressed Format	Up to 4 x channels (2 x for cameras, 2 x for external devices)
		Video Input	1 x HDMI
I/O	Audio	2 (1 x mic-in, 1 x line-out)	
	Network	4 x 10GbE SFP, 2 x RJ45 GbE	
	Host System	CPU Intel® Xeon® E-2278GE 8-core, (16 MB cache), 3.3 GHz Intel® Core™ i7-9700 8-core, (12 MB cache), 2.6 GHz Memory 16 GB DDR4 2400 Storage 1TB SSD 2.5", 1TB HDD 2.5"	
Recording Software	Capture, recording, playback, control, edit		
	SDK Function Capture, playback, control		
Camera	Panoramic View	Output Resolution	FHDp60
		Image Sensor	CMOS
		Camera Control	Pan : ±170°; Tilt : +90° / -30°
		Zoom Ratio	Optical zoom 12X / 30X
	Surgical Field	Output Resolution	Up to 4Kp60 UHD
	Image Sensor	CMOS	
	Zoom Ratio	Optical zoom 30X	
Medical Monitor	Display Size	2 x 24" PAX-324, FHD display monitor	
Dispatch System	Display Size	1 x 11.6" HIT-512, all-in-one infotainment terminal	

\*Configurable upon request

## USM-1 Medical Gateways



		USM-110W	USM-110WN	USM-120	
System	Processor	Arm® Cortex®-A17 quad-core, 1.6 GHz	NXP i.MX6 DualLite, 1 GHz	Intel® Core™ i5-8365UE (6M cache), up to 4.10 GHz Intel® Celeron® 4305U (2M cache) up to 2.20 GHz	
	Memory	2 GB onboard DDR3L	1 GB onboard	8GB DDR4 SODIMM (default); up to 16 GB	
	Operating System	Android 6.0	Linux Yocto 2.1	Windows 10 IoT Enterprise (64 bits), Linux (upon request)	
	Software	WISE-Paas/SignageCMS	-	-	
Storage	Storage	16 GB onboard eMMC	4 GB onboard eMMC	128 GB/256 GB/512 GB/ 1 TB NVME SSD (M.2 2280)	
I/O	HDMI	2	1	1	
	Display Port	-	-	1	
	LAN	1	1	2 (Non-isolation)	
	RS-232	1 x Serial port (RS-232/485/422 via jumper)	1 x Serial port (RS-232/485/422 via jumper)	1 x Serial port (optional)	
	USB	4 x USB 2.0	5 x USB 2.0 (for BT dongle and external USB disk)	4 x USB 3.1	
	OTG USB	1	-	-	
	Audio	1 x Audio	-	-	
	Reset	1	-	-	
	DC Input	1	1	DC In	
	Power Indicator	1 x Power, 1 x Wireless	1 x Power, 1 x Wireless	1 x Power	
	Graphics	Integrated Graphics Processors	Mali-T764 OpenGL ES 1.1/2.0/3.0, OpenCL 1.1, DirectX 11	Freescale i.MX6 integrated RGMII	Intel UHD Graphics 620
	Network	WLAN/Bluetooth	1	1	1
	Power Input	DC/AC	12V <sub>DC</sub>	12V <sub>DC</sub>	12V <sub>DC</sub> , max. 7W
Certification	EMC & Safety	CE/FCC	CE/FCC	Medical CE, FCC (IEC 60601-1-2, 4th edition),	
Physical Characteristics	Dimensions (W x H x D)	156 x 112 x 30.8 mm/ 6.14 x 4.41 x 1.21 in	156 x 112 x 30.8 mm/ 6.14 x 4.41 x 1.21 in	200 x 166 x 45 mm/ 7.87 x 6.54 x 1.77 in	
	Weight	0.43 kg/0.94 lb	0.43 kg/0.94 lb	1.2 kg/2.65 lb	
	VESA Mount	75 x 75	75 x 75	1100 x 100/75 x 75	
Environmental	Operating Temperature	0 ~ 35 °C/32 ~ 95 °F	0 ~ 35 °C/32 ~ 95 °F	0 ~ 40 °C/32 ~ 104 °F	
	Storage Temperature	-40 ~ 85 °C/-40 ~ 185 °F	-40 ~ 85 °C/-40 ~ 185 °F	0 ~ 50 °C/32 ~ 122 °F	
Warranty	System	2 years	2 years	2 years	

\*Configurable upon request

# Product Selection Guide

## USM-5 Medical Computing Platforms



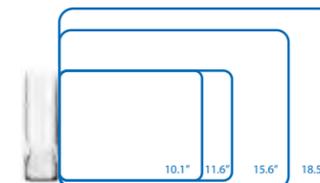
		USM-500	USM-501	USM-501L
System	Processor	8th gen Intel® Core™ i3/i5/i7/Xeon®	9th gen Intel® Core™ i5/i7/Xeon® with optional Intel® Q370/C246 chipset	9th gen Intel® Core™ i5/i7 with Intel® Q370 chipset
	Memory	4 x U-DIMM, up to 128 GB DDR4 2666 MHz SDRAM (for Intel Q370) 4 x U-DIMM, up to 128 GB ECC/2666 MHz SDRAM (for Intel C246)	4 x U-DIMM, up to 128 GB DDR4 2666 MHz SDRAM (for Intel Q370) 4 x U-DIMM, up to 128 GB ECC/2666 MHz SDRAM (for Intel C246)	2 x 260-pin SODIMM, up to 64 GB DDR4 2666 MHz SDRAM
	Operating System	Windows 10 LTSC, Linux, Windows 2016 server, Windows 10 Pro (upon request)	Windows 10 LTSC, Linux, Windows 2016 server, Windows 10 Pro (upon request)	Windows 10 LTSC, Linux (upon request)
	Software	-	-	-
Storage	Storage	2.5" SATAIII 5 KRPM 128 MB (up to 2 TB)	2.5" SATAIII 5 KRPM 128 MB (up to 2 TB)	2.5" SATAIII SSD (up to 2 TB)
I/O	HDMI	1	1	1
	Display Port	2	2	2
	LAN	2	2	2
	RS-232	1	1	-
	USB	10 (4 x USB 3.1, 2 x USB 3.0, 4 x USB 2.0)	10 (4 x USB 3.1, 2 x USB 3.0, 4 x USB 2.0)	9 (6 x USB 3.1, 3 x USB 3.0)
	OTG USB	-	-	-
	Audio	2 (1 x Line-in, 1 x Line-out)	2 (1 x Line-in, 1 x Line-out)	2 (1 x Line-in, 1 x Line-out)
	Reset	-	-	-
Graphics	Control Buttons	Power button	Power button	Power button
	Integrated Graphics Processors	Intel® HD Graphics, supports DirectX11.1, OpenGL 5.0, and OpenCL 2.1	Intel® HD Graphics, supports DirectX11.1, OpenGL 5.0, and OpenCL 2.1	Intel® UHD Graphics 630/HD Graphics 615
	HDMI	1 x HDMI 1.2	1 x HDMI 1.2	1 x HDMI 1.2
	Display Port	2	2	2
Network	eDP	1	1	1
	Bluetooth	-	-	-
	WLAN	-	-	-
Expansion	RJ 45	2	2	2
	Micro SD	8 x SATA DVD+/-RW (upon request)	8 x SATA DVD+/-RW (upon request)	8 x SATA DVD+/-RW (upon request)
	M.2	2	2	2
	PCIe x1	1	1	-
	PCIe x4	1	1	-
	PCIe x8	2 (upon request)	2 (upon request)	2 (upon request)
	PCIe x16	1	1	1
Mechanical	Other	6 x Serial (4 x RS-232, 2 x RS-232/422/485 with auto flow control)	6 x Serial (4 x RS-232, 2 x RS-232/422/485 with auto flow control)	2 x Serial (1 x RS-232/422/485, 1 x RS-232)
	Dimensions (L x W x H)	320 x 329.5 x 145 mm/12.59 x 12.97 x 5.7 in	320 x 329.5 x 145 mm/12.59 x 12.97 x 5.7 in	310 x 320 x 88 mm/12.2 x 12.59 x 3.46 in
	Weight	10 kg/22.04 lb	10 kg/22.04 lb	4.5 kg/9.92 lb
Input/Output Power	Mounting	-	-	-
	DC/AC	Input voltage: internal PSU 100 ~ 240V, 8 ~ 4A, 60 Hz, maximum output power 500W Output voltage: +3.3, 20A; +5V 20A; +12V1, 16A; +12V2, 16A; +12V3 16A; +5VSB, 3A; -12V, 0.5A; -5V, 0.2A	Input voltage: internal PSU 100 ~ 240V, 8 ~ 4A, 60 Hz, maximum output power 500W Output voltage: +3.3, 20A; +5V 20A; +12V1, 16A; +12V2, 16A; +12V3 16A; +5VSB, 3A; -12V, 0.5A; -5V, 0.2A	Input voltage: internal PSU 100 ~ 240V, 4A, 50 ~ 60 Hz Output voltage: 12V, 20.83A max., 5VSB 0.5A, 250W max.
Environment	Operating Temperature	0 ~ 35 °C/32 ~ 95 °F	0 ~ 35 °C/32 ~ 95 °F	0 ~ 35 °C/32 ~ 95 °F
	Storage Temperature	-40 ~ 70 °C/-40 ~ 156 °F	-40 ~ 70 °C/-40 ~ 156 °F	-40 ~ 70 °C/-40 ~ 156 °F
	Relative Humidity	-	-	-
Certification	EMC & Safety	CE, FCC, CCC, IEC-606061-1/IEC-60601-1-2 Ed. 4, UL	CE, FCC, CCC, IEC-606061-1/IEC-60601-1-2 Ed. 4, UL	CE, FCC, CCC, IEC-606061-1/IEC-60601-1-2 Ed. 4, UL
Warranty		2 years	2 years	2 years

## HIT Healthcare Information Terminals



		HIT-507	HIT-W101	HIT-512	HIT-W153	HIT-W183
System	Processor	Intel® Celeron® J3455 (2M cache, up to 2.3 GHz)	Freescalce Arm® iMX6 Cortex-A9 quad core (1 GHz)	Intel® Celeron® J3455 (2M cache, up to 2.3 GHz)	Intel® Pentium® N4200 (2M cache, up to 2.5 GHz)	Intel® Pentium® N4200 (2M cache, up to 2.5 GHz)
	Memory	4 GB DDR3L (up to 8 GB)	2 GB DDR3L (up to 4 GB)	4 GB DDR3L (up to 8 GB)	4 GB DDR3L (up to 8 GB)	4 GB DDR3L (up to 8 GB)
	Storage	1 x M.2 2242 SSD	1 x eMMC 8GB	1 x M.2 2242 SSD	1 x M.2 2242 SSD	1 x M.2 2242 SSD
	Camera	5 Megapixel	2 Megapixel	2 Megapixel	5 Megapixel	5 Megapixel
Display	Bus Expansion	-	-	-	1 x Mini PCIe	1 x Mini PCIe
	Size	7"	10.1" (16:10)	11.6" (16:9)	15.6" (16:9)	18.5" (16:9)
	Max. Resolution	1024 x 600	1280 x 800	1366 x 768	1920 x 1080	1920 x 1080
	Brightness	400 cd/m2	400 cd/m2	250 cd/m2	500 cd/m2	350 cd/m2
	Contrast Ratio	800:1	1300:1	500:1	800:1	800:1
	Type	Projected capacitive	Projected capacitive	Projected capacitive	Projected capacitive	Projected capacitive
Touchscreen	Light Transmission	88%	88%	88%	88%	88%
	Durability	30 million touches	30 million touches	30 million touches	30 million touches	30 million touches
	USB	2 x USB 3.0	1 x USB 2.0 type A, 1 x mini USB 2.0	2 x USB 3.0	1 x USB 3.0 (rear), 2 x USB 2.0	1 x USB 3.0 (rear), 2 x USB 2.0
	COM	1	-	1	Yes (optional)	Yes (optional)
I/O	HDMI	1	-	1	-	-
	Smart Card Reader	-	-	Yes (optional)	1 (with optional secondary reader)	1 (with optional secondary reader)
	RFID	Yes (optional)	Yes (optional)	Yes (optional)	1	1
	SD Card Reader	-	1 x Micro SD slot	-	-	-
Audio	Speaker	1 x 2W	1 x 3W	2 x 2W	2 x 3W	2 x 3W
	Internal Microphone	1 (via TRRS)	1 (via TRRS)	1 (via TRRS)	1 (via TRRS)	1 (via TRRS)
Network	LAN	1 x RJ45 (10/100/1000 Mbit) with optional PoE	1 x RJ45 (10/100/1000 Mbit) with optional PoE	1 x RJ45 (10/100/1000 Mbit) with optional PoE	2 x Isolated RJ45 (10/100/1000 Mbit), 1 with optional PoE	2 x Isolated RJ45 (10/100/1000 Mbit)
	WLAN	802.11 a/b/g/ac, Bluetooth 4.1	802.11 a/b/g/ac, Bluetooth 4.0	802.11 a/b/g/ac, Bluetooth 4.1	802.11 a/b/g/ac, Bluetooth 4.1	802.11 a/b/g/ac, Bluetooth 4.1
Software	Operating System	Windows 10 IoT, Android 8.1, (Linux upon request)	Android 6	Windows 10 IoT, Android 8.1, (Linux upon request)	Windows 10 IoT, Android 8.1, (Linux upon request)	Windows 10 IoT, Android 8.1, (Linux upon request)
Function Keys	Hotkey	1 x Power button	1 x Reset button	1 x Power button	6	6
Nurse Call Button	Hotkey	-	-	-	1	1
Emergency Alarm	LED Indicator	-	1	1	1	1
Mechanical	Mount Options	VESA 75 x 75	VESA 75 x 75	VESA 75 x 75	VESA 75 x 75/100 x 100	VESA 75 x 75/100 x 100
	Dimensions (W x H x D)	193.3 x 140.9 x 37 mm/ 7.61 x 5.54 x 1.45 in	247 x 189 x 22 mm/ 9.72 x 7.44 x 0.86 in	296 x 190 x 33.4 mm/ 11.65 x 7.48 x 1.31 in	400.1 x 273 x 43 mm/ 15.75 x 10.74 x 1.69 in	466.4 x 311.5 x 43 mm/ 18.36 x 12.26 x 1.69 in
	Weight	1 kg/2.2 lb	0.75 ~ 1 kg/1.65 ~ 2.2 lb	1.2 kg/2.64 lb	3.2 kg/7.05 lb	3.9 kg/8.59 lb
IP Rating	Front Panel	IP54	IP65	IP65	IP65	IP65
Certifications	EMC & Safety	Medical CE/FCC, EN 6061-1, UL 60601-1 ITE CE/FCC, IEC 62368, CCC	ITE CE/FCC, IEC 62368, CCC	Medical CE/FCC, EN 6061-1, UL 60601-1 ITE CE/FCC, IEC 62368, CCC	Medical CE/FCC, EN 6061-1, UL 60601-1 ITE CE/FCC, IEC 62368, CCC	Medical CE/FCC, EN 6061-1, UL 60601-1 ITE CE/FCC, IEC 62368, CCC
	Input Voltage	100 ~ 240VAC, 1.1 ~ 0.45A @ 47 ~ 63 Hz	100 ~ 240VAC, 1.1 ~ 0.45A @ 47 ~ 63 Hz	100 ~ 240VAC, 1.1 ~ 0.45A @ 47 ~ 63 Hz	100 ~ 240VAC, 1.1 ~ 0.45A @ 47 ~ 63 Hz	100 ~ 240VAC, 1.1 ~ 0.45A @ 47 ~ 63 Hz
Power Supply	Output Voltage	ITE/Medical 12VDC, 3A PoE support	ITE/12VDC, 3A PoE support	ITE/Medical 12VDC, 3A PoE support	ITE/Medical 18~19VDC, 3.42A PoE support	ITE/Medical 18 ~19VDC, 3.42A

## Handset Accessory



Specifications	Applicable Model	Part Number
Dimensions	HIT-W183/W153	HIT-W183-HSK0E
Weight	HIT-512	HIT-512-HSK0E
Material	HIT-W101	HIT-W101-HSK1

# Product Selection Guide

## Computerized Medical Carts



	AMIS-30E	AMIS-50E	
Base Cart	Footprint	512 x 482 mm/20 x 19 in	500 x 470 mm/19.7 x 18.5 in
	Casters	125mmx125mm (Anti-Static Medical casters, two locking, two non-locking)	125mmx125mm (Anti-Static Medical casters, two locking, two non-locking)
	Height Adjustment	Manual lifting Range 863 ~ 1163 mm/34 ~ 36 in Stroke: 300mm/11.81 in	Electronic lifting Range 887 ~ 1217 mm/36 ~ 48 in Stroke 300mm/11.81 in
	Display Holder	Standard VESA Mount (VESA 75/75; VESA 100/100); Weight capacity: max. 18lb/8 kg	Standard VESA Mount (VESA 75/75; VESA 100/100); Weight capacity: max. 18 kg
	I/O Ports	-	USB3.0 ports x 4, Gigabit Ethernet Interface (RJ-45) x 1
	Dashboard	-	Battery power button Computer power button LED for battery capacity indication
	Work surface	650 x 450mm extra loading capacity: Up to 33lb/15kg	18.5" x 19.3" (469.9 x 489.9 mm) Extra Loading Capacity: Up to 66 lb/30 kg
	Keyboard & Mouse Area	Keyboard tray space: W:530 x L210x H 40 mm	Keyboard size: Up to 380 x 140 x 25mm Keyboard LED light Mouse tray
	Accessory Extend Used	-	Neck: Dove Tail Work Surface: Din Rail (Right, Left and Rear)
	Power Module	Battery Type	Optional Lithium-ion
Battery Capacity		Total:270wh (90wh x3)	420Wh
Power Input Voltage		100-240Vac, 50-60H	100-240Vac, 50-60H, Max 4.5A
DC Output Voltage		Adj 12/19/24 V for Sys total 174W max	System 1: 19 VDC, Max. 6 A System 2: 12 VDC, Max. 5 A
Battery Life SPAN		Capacity 70%, 500 cycles for 1 year (Which occurs first)	Capacity 80%, 2000cycles or 2 years (Depends on which term come first)
Battery Charge Time		<3Hr 200Wh	< 3hr. DOD 100%
Battery Runtime (Depends on system configuration)		Depends on system configuration, 3-5 hours	8~10 Hours
Battery Manager Software		AMIS_Link	Battery capacity indicator
	Alerts (battery capacity, warning)		Alerts (battery capacity, temperature, warning)
	Battery Life cycle statistics		Battery Life cycle statistics
	Report & log file		Report & log file
	Client Installation		Client Installation
	Server Installation (Optional)		Server Installation (Optional)
	Language support : English More language will be available soon		Multi-language support, including Chinese Traditional, Chinese Simple, English, German and Dutch
Certificate	CE, FCC, IEC60601-1 Compliance	CE, FCC, IEC60601-1 Compliance	

## Telehealth Cart & Suitcase



	AMIS-72	AMIS-22	
Base Cart	Footprint	19.7" x 18.5" (500 x 470 mm)	Carry-On Suitcase
	Casters	125mmx125mm (Anti-Static Medical casters, two locking, two non-locking)	
	Height Adjustment	Range 34"~45.8"(864~1164mm) Stroke 300mm	
	Display Holder	Standard VESA Mount (VESA 75/75; VESA 100/100);Weight capacity: max. 10 kg	
	I/O Ports	Battery power button Computer power button LED for battery capacity indication	
	Dashboard	18.5" x 19.3" (469.9 x 489.9 mm) Extra Loading Capacity: Up to 66lb/30kg	
	Work surface	Keyboard size: Up to 380 x 140 x 25mm Keyboard LED light Mouse tray	
	Keyboard & Mouse Area	Neck: Dove Tail Work Surface: Din Rail (Right, Left and Rear)	
	Accessory Extend Used	Neck: Dove Tail Work Surface: Din Rail (Right, Left and Rear)	
	Power Module	CPU	
Memory		4GB	
OS		Win 10 IoT	
HDD		128 GB SSD	
Screen		21.5" 1920 x 1080 FHD P-Cap Touch Screen	
WiFi		Intel® Dual Band Wireless-AC 8265	
IP Rating		Front Panel: IP65 Entire Computer: IPX1	
Resolution		Full HD 1080p 60fps Resolution	
Zoom		18X Total Zoom	
Interface		USB	
Aver PTZ Cam520	Meeting with	Meeting with up to 4 people	System
	DSP	Digital Signal Processing (DSP) Technology	
Jabra UC 510	Battery Manager Software	AMIS_Link	System
		Battery capacity indicator	
		Alerts (battery capacity, temperature, warning)	
		Battery Life cycle statistics	
		Report & log file	
		Client Installation	
		Server Installation (Optional)	
Power Module	AMIS_Link	Battery Type	Storage
		Battery Capacity	
		Power Input Voltage	
		DC Output Voltage	
		Battery Life SPAN	
		Battery Runtime (Depends on system configuration)	
		Battery Type	
Battery Capacity	420Wh		
Power Input Voltage	100-240Vac, 50-60H, Max 4.5A		
DC Output Voltage	System 1: 19 VDC, Max. 6 A System 2: 12 VDC, Max. 5 A		
Battery Life SPAN	Capacity 80%, 2000cycles or 2 years (Depends on which term come first)		
Battery Runtime (Depends on system configuration)	8~10 Hours		
Certificate	CE, FCC, IEC60601-1 Compliance	CE, FCC, IEC60601-1 Compliance	

# Product Selection Guide

## Compact ADC & Medication Cart



	AMIS-850		AMIS-850C
Dimensions (W x D x H)	470 x 380 x 410 mm/18.50 x 14.96 x 16.14 in	Footprint	500 x 470 mm/19.7 x 18.5 in
Lock Mechanism	Electronic lock on each bin controlled via PC	Height Adjustment	Range: 864 ~ 1164 mm/34 ~ 45.8 in; Stroke: 300 mm/11.81 in
Lock Override	Manually open all bins with a key	Display	21.5" LCD with 1920 x 1080 Full HD and P-CAP touch
Power	12V DC, 5A max	Work Surface	469.9 x 489.9 mm/18.5 x 19.3 in
SDK Support	C#, VB	Load Capacity	Up to 30 kg/66 lb
Communication Interface	USB (COM port)	Keyboard/Mouse Area	Keyboard/mouse tray with LED light 380 x 140 x 25 mm/14.96 x 5.51 x 0.98 in
Certification	CE, FCC, EN 62368-1	Extension Accessories	Neck: Dovetail work surface; DIN rail (right, left, and rear)
RFID Bin	ISO 15693 (NFC)	AMIS-850	
Weight	18 kg/39.68 lb	Levels/Weight	4/18 kg (39.68 lb)
Mount Options	Cart, tabletop, wall	Dimensions (W x D x H)	Box: 470 x 380 x 410 mm/18.50 x 14.96 x 16.14 in Single bin: 95 x 295 x 60 mm/3.74 x 11.61 x 2.36 in Double bin: 190 x 295 x 60 mm/7.48 x 11.61 x 2.36 in Double-stack bin: 190 x 295 x 140 mm/7.48 x 11.61 x 5.51 in
		Power	12V DC, 5A max
		Lock Mechanism	Electronic lock on each bin controlled via PC
		Lock Override	Manually open all bins with a key

## Bin Setting Station & UD Cart



	AMIS-810		AMIS-830
Weight	2.17 g	Level	10
Dimensions	W 240 x D 355 x H 200 mm	Weight	40 kg
Interface	USB 2.0	Cart dimensions	W 920 x D 362 x H 1075 mm
SDK support	C#, VB	Bin dimensions	W 95 x D 295 x H 60 mm
OS Support	Win 7, Win 10	Lock-mechanism	All Lock (Digital lock)
Certification	CE, FCC, EN 62368-1	RFID Bin	ISO 15693 (NFC)
RFID Bin	ISO 15693 (NFC)		

## medTRx Medication Tracking Software



	Function	Lite	Basic	Pro
Operation	RFID bin setting (assign patient/assign medication)	•	•	• Automatically integrated with HIS
	Control UI	•	•	•
	Barcode scan to access the system		•	•
Integration	Basic access log		•	•
	Central database to management		•	•
	HL7 interfaces (HIS/ADT)			•
	Discharge/transfer integration (optional)			•
System Architecture	Assign bins to patients using barcodes	•	•	•
	Client application only	•		
	Client/server architecture		•	•

## Intelligent Power System



	IPS-M420S	IPS-M210S
Battery Type	Lithium-ion	Lithium-ion
Battery Capacity	420 Wh	210 Wh
Battery Lifespan	At 80% capacity: 2000 cycles or 2 years (whichever occurs first)	At 80% capacity: 1000 cycles or 1 year (whichever occurs first)
Charge Time	≤ 3 hr @ 400 Wh	≤ 1.5 hr @ 200 Wh
Input Voltage	100 ~ 240 VAC, 50 ~ 60 Hz, 4.0A max.	100 ~ 240 VAC, 50 ~ 60 Hz, 4.0A max.
Output Voltage	System 1: 19 VDC, 6A max. System 2: 12 VDC, 5A max.	System 1: 19 VDC, 6A max. System 2: 12 VDC, 5A max.
Dimensions (W x H x D)	282 x 260 x 101 mm/11.1 x 10.2 x 3.9 in	282 x 260 x 101 mm/11.1 x 10.2 x 3.9 in
Weight	8 kg/17.63 lb	7 kg/15.43 lb
IP Rating	IP67	IP67
DC Output Interface	DC jack (4-pin locking mini-DIN connector)	DC jack (4-pin locking mini-DIN connector)
Communication Interface	RS-232	RS-232

## Medical Cart Accessories



4U Medication Box AMIS-M4A120XX-00AE	4U Medication Box AMIS-M4AAAAXX-00AE	6U Medication Box AMIS-M6A23000-00AE	6U Medication Box AMIS-M6AAAAA-00AE	Sharps Container AMIS-60-SC-01-AE
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Customizable Storage Box	Hand Disinfectant Holder AMIS-60-HD-00-AE	Mouse Holder AMIS-50-MH-00-AE	Barcode Scanner AMIS-60-BS-00-AE	Glove Compartment AMIS-50-AACN-00-AE
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Storage Baskets AMIS-60-BK-00-AE	Infusion Equipment AMIS-60-IF-00-AE	Medical Waste Trash Can AMIS-50-TC-30-AE	Expansion Plate + Mount Kit AMIS-60-EP-00-AE	Storage Box AMIS-50-SB-MAIN-AE
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### AIM-H Tablets



		AIM-55	AIM-58	AIM-75H	AIM-78H	MIT-W102
System	Processor	Intel® Atom™ x5-Z8350 quad-core, 1.6 GHz (1.44 GHz)	Intel® Atom™ x7-Z8750 quad-core, 1.6 GHz (2M cache, up to 2.56 GHz)	Qualcomm® Snapdragon™ 660 octa-core, 2.2 GHz	Qualcomm® Snapdragon™ 660 octa-core, 2.2 GHz	Intel® Pentium® N4200, quad-core, 1.1 GHz (up to 2.5 GHz)
	Memory	2/4 GB DDR3	4 GB DDR3	4 GB DDR4	4 GB DDR4	4 GB DDR4*
	Operating System	Windows 10 IoT Enterprise, Android 6.0	Windows 10 IoT Enterprise, Android 6.0	Android 10 with GMS	Android 10	Windows 10 IoT Enterprise, Linux
Storage		eMMC/micro SD	eMMC/micro SD	eMMC/micro SD	eMMC/micro SD	M.2 SSD
Display	Type	8" IPS LCD	10.1" IPS LCD	8" IPS LCD	10.1" IPS LCD	10.1" TFT LCD
	Resolution	WUXGA 1920 x 1200	WUXGA 1920 x 1200	WUXGA 1920 x 1200	WUXGA 1920 x 1200	WUXGA 1920 x 1200
	Touch Type	10-point, multi-touch P-CAP	10-point, multi-touch P-CAP	10-point, multi-touch P-CAP	10-point, multi-touch P-CAP	10-point, multi-touch P-CAP
Wireless Communication		WLAN, BT, NFC	WLAN, BT, NFC, WWAN (optional)	WLAN, BT, NFC, WWAN (optional)	WLAN, BT, NFC, WWAN (optional)	WLAN, BT, NFC (optional)
Camera		Front: 2MP FF camera Rear: 5MP AF camera	Front: 2MP FF camera Rear: 5MP AF camera	Front: 5MP FF camera Rear: 8MP AF camera	Front: 8MP FF camera Rear: 13MP AF camera	Front: 2MP FF camera Rear: 5MP AF camera
Battery		3.8V, 18.6Whr, 4900mAh	10.8V, 26Whr, 2400mAh	3.8V, 18.6Whr, 4900mAh	10.8V, 26Whr, 2400mAh	11.1V, 31.75Whr, 2860mAh
I/O*		Standard I/O, extended I/O, dock I/O	Standard I/O, extended I/O, dock I/O	Standard I/O, extended I/O, dock I/O	Standard I/O, extended I/O, dock I/O	Standard I/O, extended I/O, dock I/O
Environmental	Operating Temperature	0 ~ 30 °C/32 ~ 86 °F		0 ~ 35 °C/32 ~ 95 °F		
	Storage Temperature	-20 ~ 60 °C/-4 ~ 140 °F				
	IP Rating	IP65				
	Drop Tolerance	Up to 120 cm (4 ft) onto plywood				

\* See datasheet for detailed specifications

### AIM-H Peripherals

#### VESA Dock



#### Desk Dock



Applicable Model	AIM-55/75H	AIM-58/78H	MIT-W102	AIM-58/78H	MIT-W102	MIT-W102
Part Number	AIM-VSD0-0001 (full I/O) AIM-VSD0-0003 (charger & USB)	AIM-VSD0-1001 (full I/O) AIM-VSD0-1003 (charger & USB)	MIT-W102-ACCVD001E	AIM-OFD0-0001 (full I/O) AIM-OFD0-0003 (charger & USB)	MIT-W102-ACCDS001E	MIT-W101-ACCVB001E
Features	VESA (75 x 75) standard mounting holes Full I/O: USB 3.0, RS-232, LAN, power jack Charger & USB: USB 2.0, power jack	VESA (75 x 75) standard mounting holes Full I/O: USB 3.0, RS-232, LAN, power jack Charger & USB: USB 2.0, power jack	VESA (75 x 75) standard mounting holes Full I/O: VGA, USB 2.0, RS-232, LAN, power jack	Full I/O: USB 2.0, RS-232, HDMI, power jack, battery charging station Charging & USB: USB 2.0, power jack	I/O: USB 2.0, RS-232, VGA, LAN, audio jack, power jack, battery charging station	3-in-1 multifunctional stand VESA mount (75 x 75) kick stand hand strap

#### Extension Modules



Barcode scanner 20°    Barcode scanner 70°    LAN + COM module

Applicable Model	AIM-55/58/75H/78H	AIM-55/58/75H/78H	AIM-55/58/75H/78H
Part Number	AIM-BCRS-0020	AIM-BCRS-0070	AIM-LANC-0001
Features			

#### Battery



Applicable Model	AIM-55/75H	AIM-58/78H
Part Number	AIM-BATO-0252	AIM-BATO-0452
Features	Hot-swappable, 3.8V, 18.6Whr, 4900mAh	Hot-swappable, 10.8V, 26Whr, 2400mAh

#### Multi-Battery Charging Station



Applicable Model	AIM-55/58/75H/78H	AIM-55/75H
Features	Supports up to 4 batteries	Supports up to 4 external battery packs

#### Accessories



Applicable Model	AIM-55/58/75H/78H	AIM-55/58/75H/78H	AIM-58/78H
Part Number	AIM-SRP0-0000	AIM-SRP0-0001	AIM-SRP0-0002
Features	Stylus holder	Stylus holder	Stylus holder

#### Accessories



Applicable Model	AIM-55/58/75H/78H	AIM-55/75H	AIM-55/75H	AIM-58/78H	AIM-55/58/75H/78H
Part Number	AIM-SRP0-0004	AIM-HOLO-0160	AIM-EXT0-0181	AIM-EXT0-0480	AIM-P704
Features	360° rotatable handstrap				

# Product Selection Guide

## Table Stands



	TBSD-WS1502	TBSD-WS1510	TBSD-WS1702	TBSD-WS2710	
<b>Net Weight</b>	1.61 kg /3.55 lb	1.4 kg /3.09 lb	1.75 kg / 3.86 lb	2.03 kg /4.48 lb	
<b>Dimensions (W x H x D)</b>	203 x 213 x 227 mm / 7.99 x 8.39 x 8.94 in	203 x 213 x 227 mm / 7.99 x 8.39 x 8.94 in	203 x 275 x 227 mm / 8 x 10.83 x 8.94 in	241 x 340 x 280 mm / 9.49 x 13.39 x 11.02 in	
<b>Screw Type</b>	M4	M4	M4	M4	
<b>Material</b>	Steel, plastic, zinc	Steel, plastic, aluminum	Steel, aluminum alloy, plastic	Steel, aluminum alloy, plastic	
<b>Hinge Module</b>	Swivel	N/A	N/A	N/A	
	Tilt	-2° (down) ~ +180° (up)	-2° (down) ~ +180° (up)	-2° (down) ~ +180° (up)	
	Pivot	N/A	N/A	N/A	
	Adjustable Torque	N/A	N/A	N/A	Yes
<b>Supported Display</b>	Mount Pattern	75 x 75	100 x 100/75 x 75	100 x 100/75 x 75	100 x 100/75 x 75
	Display Type	Single monitor	Single monitor	Single monitor	Single monitor
	Panel Size	≤17"	≤17"	≤21.5"	≤27"
<b>Height Adjustment</b>	Max. Weight	13 kg/28.7 lb	13 kg/28.7 lb	15 kg/33.1 lb	20 kg/44.09 lb
	Adjustment Range	N/A	N/A	N/A	N/A
<b>Cable Management</b>	Adjustable Tension	No	No	No	No
		Yes	Yes	Yes	Yes



	TBSD-WHA741	TBSD-WHA741L	TBSD-WHA770L	
<b>Net Weight</b>	3.12 kg/6.88 lb	3.12 kg/6.88 lb	4 kg/8.82 lb	
<b>Dimensions (W x H x D)</b>	222 x 432 x 252 mm / 8.74 x 17.01 x 9.92 in	222 x 432 x 252 mm / 8.74 x 17.01 x 9.92 in	300 x 478 x 250 mm / 11.81 x 18.82 x 9.84 in	
<b>Screw Type</b>	M4	M4	M4	
<b>Material</b>	Steel, plastic, aluminum	Steel, plastic, aluminum	Steel, plastic, aluminum	
<b>Hinge Module</b>	Swivel	360°	360°	360°
	Tilt	-5° ~ +25°	-5° ~ +25°	-5° ~ +20°
	Pivot	360°	360°	90°
	Adjustable Torque	Yes	Yes	Yes
<b>Supported Display</b>	Mounting Pattern	100 x 100/75 x 75	100 x 100/75 x 75	100 x 100/75 x 75
	Display Type	Single monitor	Single monitor	Single monitor
	Panel Size	≤24"	≤24"	24" ~ 32"
	Max. Weight	2 ~ 8 kg/4.4 ~ 17.6 lb	6 ~ 12 kg/13.22 ~ 26.45 lb	4 ~ 12 kg/8.81 ~ 26.45 lb
<b>Height Adjustment</b>	Adjustment Range	130 mm/5.12 in	130 mm/5.12 in	130 mm/5.12 in
	Adjustable Tension	Yes	Yes	Yes
<b>Cable Management</b>	Yes	Yes	Yes	

## Arm Mounts



	MNT-MMWB8615	MNT-MTWHM03	ARM-MBWHA306	ARM-MBWHA506
<b>Part Number</b>	ASK-MNT-MMWB861501	ASK-MNT-MTWHM03101	ASK-ARM-MBWHA30601	ASK-ARM-MBWHA50601
<b>Carton Dimension (LxWxH)</b>	615 x 585 x 279 mm / 24.21 x 23 x 10.98 in	965 x 165 x 240 mm / 37.99 x 6.49 x 9.45 in	1015 x 303 x 458 mm / 39.96 x 11.92 x 18.03 in	1170 x 400 x 280 mm / 46 x 15.74 x 11 in
<b>Net Weight</b>	10 kg/22.04 lb	18 kg/39.68 lb	20 kg/44.09 lb	19.2 kg/42.32 lb
<b>Supported Weight</b>	Up to 9 kg/19.84 lb	-	1 ~ 6 kg/2.2 ~ 13.22 lb	1 ~ 7 kg/2.2 ~ 15.4 lb
<b>Cable Management</b>	Yes	-	Yes	Yes
<b>Spring Type</b>	Pneumatic	-	-	-
<b>Medical Grade</b>	Yes	-	Yes	Yes
<b>Material</b>	Steel	Steel, Plastic	Steel	Steel
<b>VESA Mount</b>	75 x 75/100 x 100	-	75 x 75/100 x 100	75 x 75/100 x 100



	ARM-MBWHA621	ARM-MCWA307	ARM-MCWA327
<b>Part Number</b>	ASK-ARM-MWHA62101	ASK-ARM-MCWA30701	ASK-ARM-MCWA32701
<b>Carton Dimension (LxWxH)</b>	706 x 331 x 231 mm / 27.79 x 13 x 9.09 in	1015 x 291 x 458 mm / 39.96 x 11.47 x 18.03 in (Arm) 1242 x 379 x 382 mm / 48.9 x 14.92 x 15.04 in (Ceiling Mount)	
<b>Net Weight</b>	6.1 kg/13.44 lb	12.5 kg / 27.55 lb (Arm only)	13.94 kg / 30.73 lb (Ceiling Mount)
<b>Supported Weight</b>	1 ~ 3 kg/2.2 ~ 6.61 lb	1 ~ 6 kg/2.2 ~ 13.22 lb	1 ~ 6 kg/2.2 ~ 13.22 lb
<b>Cable Management</b>	Yes	Yes	Yes
<b>Spring Type</b>	-	-	-
<b>Medical Grade</b>	Yes	Yes	Yes
<b>Material</b>	Steel	Steel	Steel
<b>VESA Mount</b>	75 x 75 /100 x 100	75 x 75 /100 x 100	75 x 75 /100 x 100

## Keyboard/Mouse/Scanner



	KBD-MCWU1020	KBD-MCWU1010	MOU-MCWU1001	SCN-MCWIG829
<b>Part Number</b>	ASK-KBD-MCWU102000	ASK-KBD-MCWU101000	ASK-MOU-MCWU100100	ASK-SCN-MCWIG829
<b>Color</b>	White	White	White	
<b>Dimensions (L x W x H)</b>	380 x 130 x 12.4 mm / 14.96 x 5.11 x 0.48 in	440 x 130 x 25 mm / 17.32 x 5.11 x 0.98 in	115 x 61.6 x 37 mm / 4.52 x 2.42 x 1.45 in	
<b>Number of Keys</b>	110 (US layout)	105 (US layout)	3	
<b>Housing Color</b>	White	White	White	
<b>Adjustable Brightness</b>	blue color, 5 brightness levels	No backlight	No backlight	
<b>Keyswitch Technology</b>	Carbon contact	Membrane	-	
<b>Switching Cycles</b>	Approximately 2 million (per key)	Approximately 2 million (per key)	Approximat 3 mill. (per key)	
<b>Cable Length</b>	15 cm	15 cm with extension cable	-	
<b>Protection Level</b>	IP68	IP68	IP68	
<b>Interfaces</b>	USB 2.0	USB	USB	
<b>Washable</b>	Fully washable and disinfectable	Can be cleaned with common detergents	Washable	
<b>Operating Temperature</b>	0 ~ 55 °C/32 ~ 131 °F	0 ~ 55 °C/32 ~ 131 °F	0 ~ 55 °C/32 ~ 131 °F	
<b>Storage Temperature</b>	-30 ~ 70 °C/-22 ~ 158 °F	-15 ~ 60 °C/-5 ~ 140 °F	-10 ~ 60 °C/14 ~ 140 °F	
<b>Dimensions (L x W x H)</b>	380 x 130 x 12.4 mm/14.96 x 5.11 x 0.48 in	440 x 130 x 25 mm/ 17.32 x 5.11 x 0.98 in	115 x 61.6 x 37 mm/ 4.52 x 2.42 x 1.45 in	
<b>Weight</b>	660 g/1.45 lb	492 g/1.08 lb	73 g/0.16 lb	
<b>Certification</b>	EN60601-1-2 Ed 4, CE, FCC, RoHS, REACH	CE, FCC, RoHS, REACH	CE, RoHS, REACH	
<b>Part Number</b>				ASK-SCN-MCWIG829
<b>Interfaces</b>				USB, virtual COM, RS-232
<b>Operating System</b>				Windows, Linux
<b>1D/2D</b>				2D scanner
<b>IP Rating</b>				IP42
<b>Medical Grade</b>				Yes
<b>Color</b>				White + Orange
<b>Net Weight (per unit)</b>				0.17 kg/0.37 lb
<b>Dimensions Scanner, Single Box (L x W x H)</b>				980 x 240 x 70 mm / 38.58 x 9.44 x 2.75 in
<b>Weight</b>				660 g/1.45 lb
<b>Certification</b>				CE, FCC, LVD, ISO22196, JIS Z2801



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