Advantech in Perspective 2017





Advantech at a Glance

Advantech defines its brand mission as "Enabling an Intelligent Planet",

to empower innovative technologies and solutions.

- Headquarters / 總部 Taipei, Taiwan (1983) About 8,000 pp.
- Revenue / 營收 USD \$1,293M (2016)
- Service Field / 領域 Industry 4.0, Industry IoT Smart City (Medical ` Retail ` Logistics) Industrial Equipment Manufactures
- Market Position / 市占 No. 1 (29%) in Industrial PCs





Milestones to Success



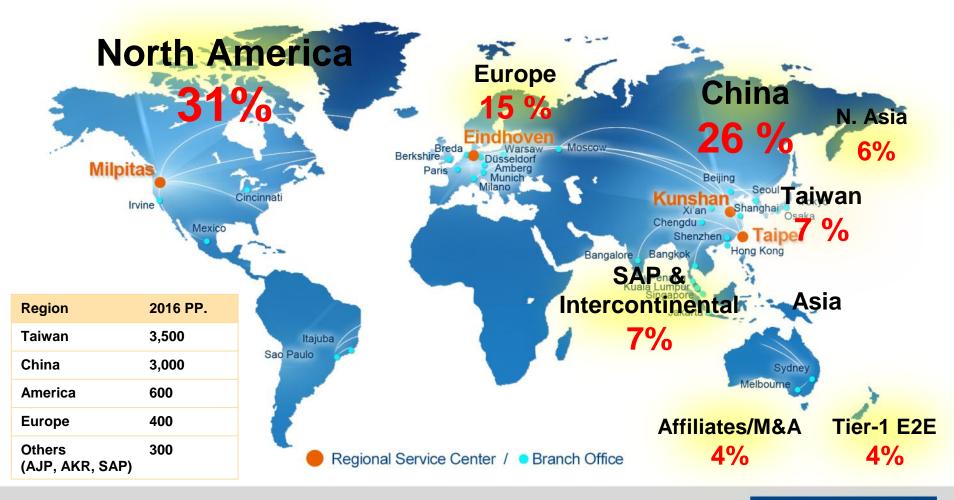
Year 2001-2015

Enabling an Intelligent Planet

AD\ANTECH

Worldwide Presence

2 Manufacturing Sites
4 Logistics Center
15 Repair Centers
23 Countries



Enabling an Intelligent Planet

AD\ANTECH

Best Taiwan Global Brands 2016		01 EXAMPLE 1 IN SEARCH OF INCREDIBLE -2% 1,748\$m	02 • TREND +3% 1,360\$m	03 H - H -7% 1,029\$m	04 P D D D D D D D D
		05	06	07	08
		GIANT.	ADVANTECH	acer	
Interbrand		+4% 476\$m	+13% 436\$m	-26% 426\$m	+4% 400\$m
09	10	11	12	13	14
MEDIATEK everyday genius	htc	85°c	MAXXIS [.]	SYNNEX	守中租控股
+6% 377\$m	-18% 373\$m	+17% 348\$m	-9% 317\$m	-9% 309\$m	+6% 233\$m
15	16	17	18	19	20
A NELTA	》 统一企業	JOHNSON	good memories start here	CHLITINA 克麗 緹 娜	ZYXEL 合動科技
+13% 225\$m	+12% 199\$m	+5% 152\$m	-5% 142\$m	+19% 95\$m	+4% 93\$m

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World Market Share Industrial PCs

Supplier	Ranking	0/ /0 Standak	
Advantech	1	29.0%	
Siemens	2	9.0%	
Beckhoff	3	6.0%	
Kontron	4	5.5%	
American Industrial Syste	ems 5	4.5%	
Other Suppliers		46.0%	
Advantech IPC	WW Marl	ket Share	23/0



Source: IHS – The World Market for industrial PCs 2016 Edition



Advantech Strategic Business Groups

Embedded-IoT

Embedded Core & IoT Modules

- **Computing on Modules**
- Single Board Computers
- Industrial Motherboards
- Embedded Box Computers
- **Gaming Solutions**
- Industrial Displays
- Industrial Flash Storage (SQFlash)
- Embedded Wireless Modules (M2.COM)

- WISE-PaaS & Cloud Software
- ARM/ RISC Computing
- Modular Board Design Services

Allied DMS

Networks & Communications

- Telecom & Mission Critical Systems
- Enterprise Network Platforms
- Network & Embedded Switches
- Video Broadcasting Solutions

Applied Computing

- Industrial Mobile Computing
- Applied Computing DMS
- Service-IoT DMS

Allied Purchasing Services

- Components (CAPS)
- Peripherals (PAPS)

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Service-loT

Digital Healthcare & Intelligent Hospital

- Medical Computing & Tablets
- Intelligent Hospital Solutions

Intelligent Retail & Hospitality

- iRetail Platforms
- Intelligent Retail & Hospitality Solutions
- Digital Signage Solutions

Digital Logistics & Fleet Management

- In-Vehicle Computing
- Digital Logistics & Fleet Management Solutions Smart City & iBuilding

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Industrial-IoT

Industrial Automation

- Industrial I/O & Controllers
- Automation Computing & HMI
- Motion Controls & Machine Vision * Intelligent Video Solutions
- **Remote IoT Devices (WISE)**
- WebAccess+ Software
- iFactory (Industry 4.0) Solutions
- **Machine Automation Solutions**
- **Energy & Environment Solutions**

Intelligent Systems Industrial Computers

- Industrial Servers & Storage
- - Transportation Solutions

iConnectivity

- Network Edge Solutions
- Industrial Switches
- Industrial Wireless Devices
- Industrial Cellular Routers

2013-2014 Construct 2 Intelligent Campus

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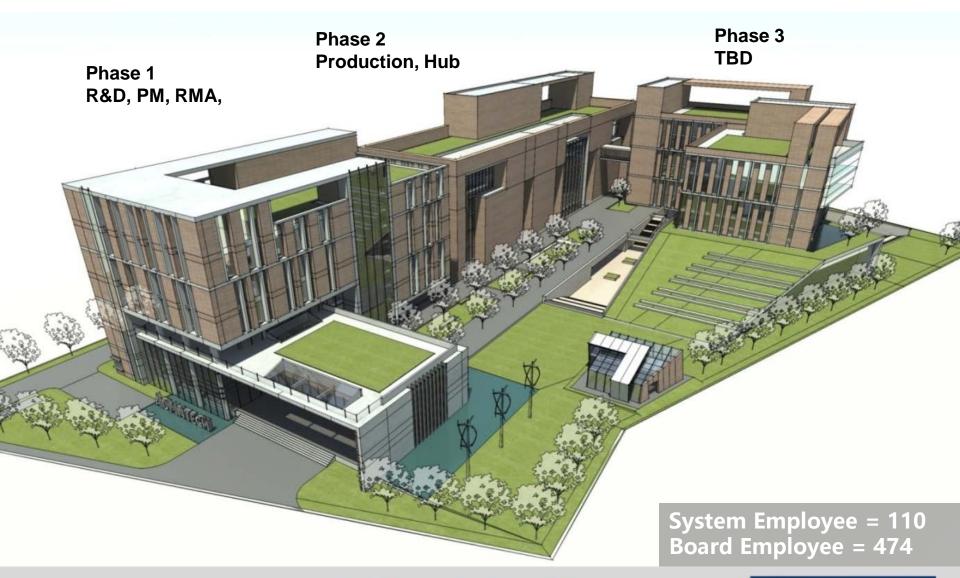
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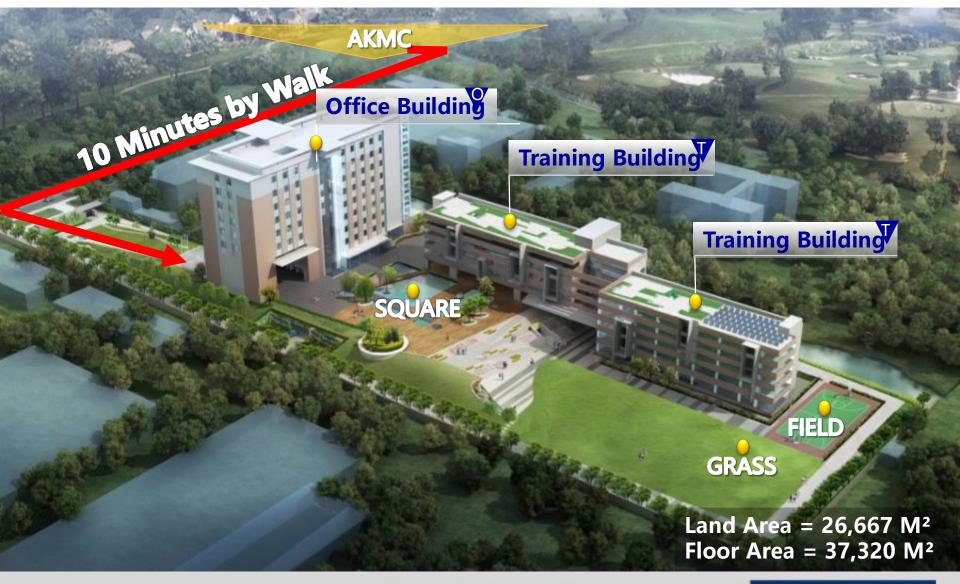


Advantech Taiwan Manufacture Center





A+TC Collaboration RD Center No. 887, Han-Pu Road,Yu-Shan,Kun-Shan Jiang Su, China





Advantech Kunshan Manufacture Center

No. 600, Han-Pu Road, Yu-Shan, Kun-Shan Jiang Su, China





Advantech Manufacturing Certifications

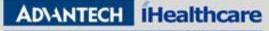


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Global Service and Support Centers









Digital Healthcare

Engaged with Smarter Hospitals



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AD\ANTECH IHealthcare

Enabling a Smarter Hospital

Telemedicine

Now, healthcare can be delivered without the restriction of distance.

CLMA

Reduce the risk of medication error

Self Check-In Services

Patients can make appointment at home and do self-check when arrive hospital.

Big Data Analytics

X

All the patient information are saved in the cloud for big data analytics

Integrated Operating Rooms

Digital documentation, teleconsutation and surgery demonstration are all possible with latest technology.

Intelligent Wards

Digital and virtual technologies allows patients to be safer and more comfortable

Intelligent Nurse Station

Care givers benefits from integrated information, like vital signs, EMR, emergency alarm, wards status...



POINT-OF-CARE TERMINALS

Efficient Operations Management





Point of Care Terminals Skylake Series powered by the latest 6th generation Intel CPU



Point of Care Terminals

• Easy to clean

Entire system IP54

compliant for 21"

and 24"

Barcode Scanner



No color wash

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healthcare

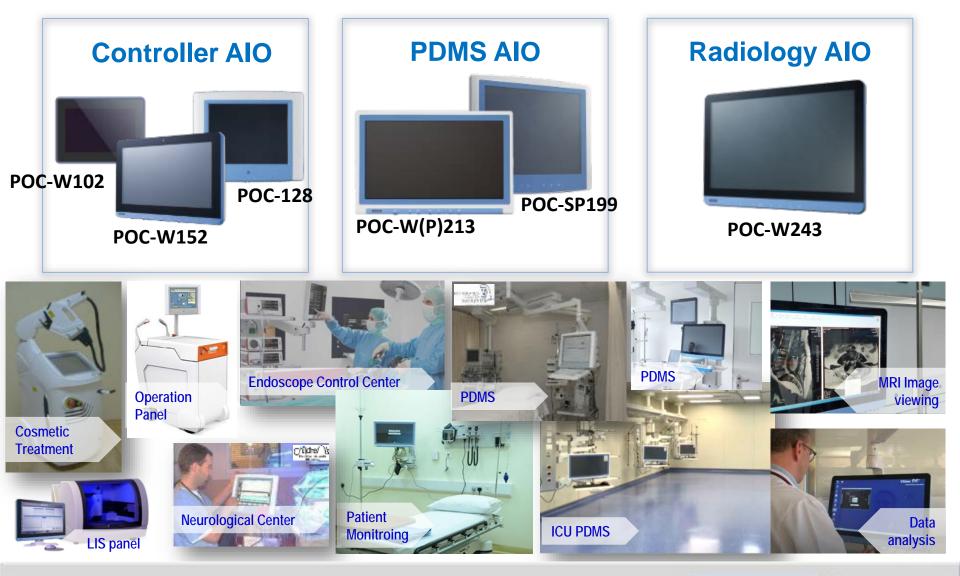
environment

COM/LAN/USB ports for

models over 21"

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Point of Care Terminals Applications



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INTEGRATED OPERATING ROOMS

Optimized OR Workflow



iOR Key Offerings



- Wide screen Full/Ultra HD resolution
- Environmentally-friendly LED backlight
- 14-bit video image processing
- Wide connectivity including 3G-SDI and single-fiber interface
- Antibacterial lionizer-inside monitor
- Brightness leveling technology (BLT)

AVAS-4000



Compact design: 278 X 230.5 X 114.9 mm

Gap free:

Overlap housing, onepiece design

Easy fan cleaning:

Detachable mesh to keep dust out

Easy to repair:

Tool-free solution when opening the chassis

AVAS-2000 Video Switching Video Digital OR

Fast

•

- Switches instantaneous
- Streams video with low latency < 4ms
- High quality images
- Simple
 - One cable
 - Very scalable
 - Exchangeable
- Open software for easy integration

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• Low total cost of ownership

iHealthcare

BRANDING



Surgical Display









Clinical Review Display



Medical Equipment KA/ODM



Ultrasound Imaging

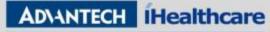
Special Modality Imaging

Open Frame Solutions



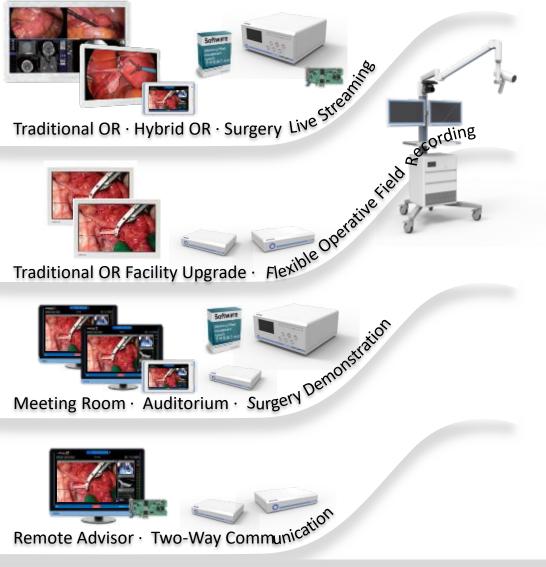
What is AVAS-OR?





AVAS Offering Content

Advantech Video Archiving and Streaming





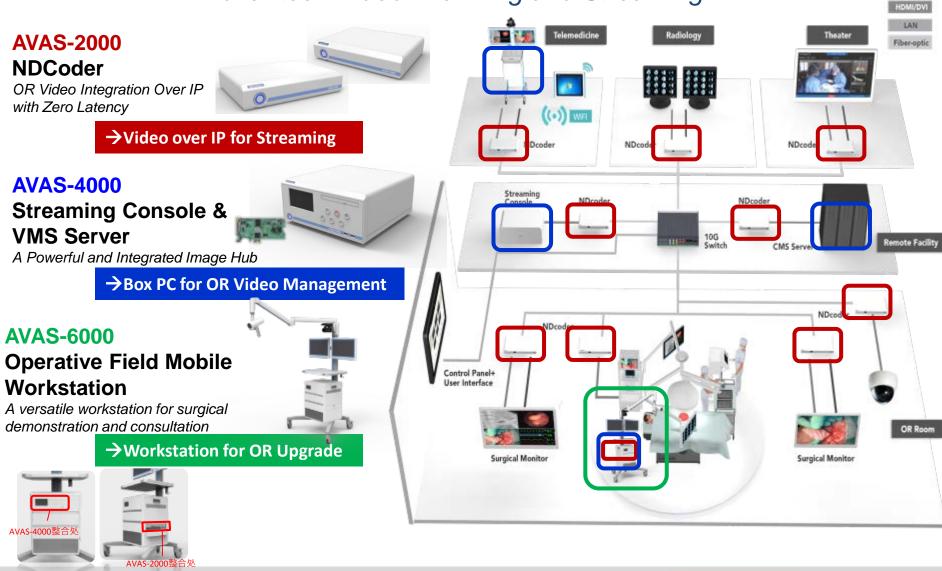






AVAS Offering Content in Products

Advantech Video Archiving and Streaming



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USB

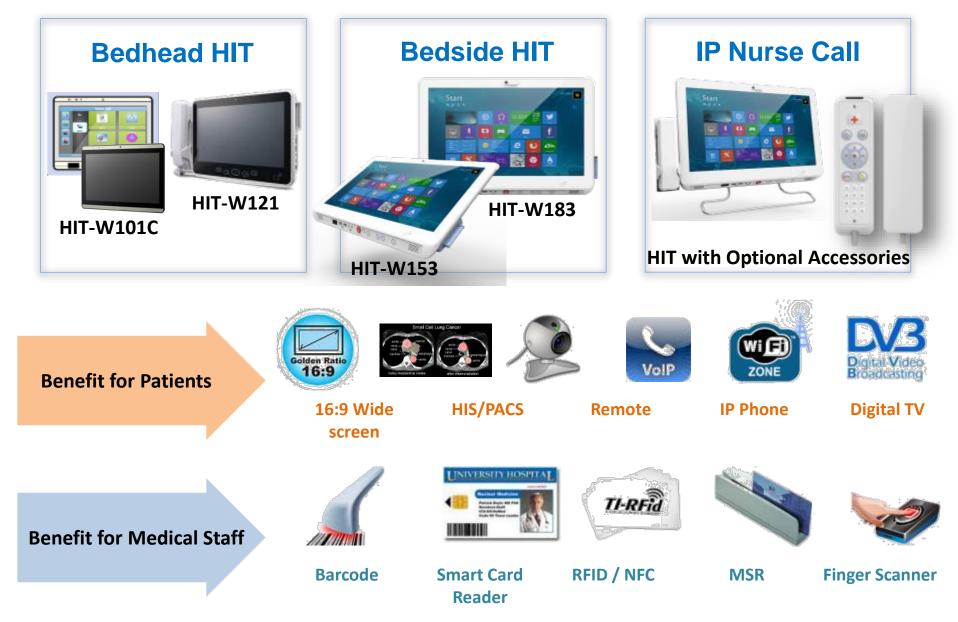


INTELLIGENT WARDS

Improved Patient Experience



iWard Key Products

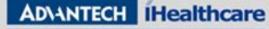


iWard Key Products Applications



Bedhead Information Terminal





Bedside Information Terminal



IP Nurse Call Terminal



Intelligent Nurse Station

- > 12" or 15" HIT w/Handset
- PCAP touch
- Background noise cancellation handset
- PoE Support
- Flexible Customization
- LED alarm indication, UL1069 compliance

Intelligent Patient Centric Care

- HIT Bedside Terminal
- HIT Bedhead Termial



Medical Tablets for iWard Applications



- 8" Display supporting FHD resolution
- With both Windows and Android platform options
- Long battery life (up to 8 hours operating time
- Flexible **add-on module** and docking station options fitting wide variety of application uses
- Certified with latest medical standard

AIM-55 Medical Tablet 253



AIM-55 Applications

Scenario













android v6.0 Marshmallow

Windows 10

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ADVANTECH IHealthcare

CLOSED LOOP MEDICATION MANAGEMENT

Enhanced Medication Safety





Still Having Troubles with Your CoW?









No more 'COW' wrestling





Advantech Medical & intelligent Station

- ✓ Means "good friend " in French
- A powerful assistant to accompany caregivers

Digital Healthcare – AMiS

Enabling Mobile Point-of-Care



A computer integrated medical cart to optimize patient care process and increase hospital workflow



Advantech Mobile Device—AMiS-50

The ultimate mobile workstation that will become your best friend at work

Intuitive dashboard design

This intuitive design with power status, battery consumption, and the height control buttons enhance the overall user experience



Arch-shaped handle

Comfort Grip Front & Rear Handles eases the movements. No sharp edges reduce the risk of getting hurt



LiFePO₄ Battery System Enhances Intelligent Power Management

The LiFePO4 battery is lightweight, long-lasting, and can be managed remotely via AMIS_Link software to provide intelligent power management



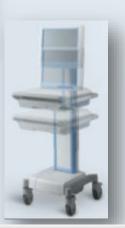
 Built-in two 5-dB antennas
 with industrial Intel WiFi Stronger signal strength ensures constant internet



• **Design of DIN Rail for accessory integration** DIN Rail design allows the integration with accessories, and preventing damage to the structure.

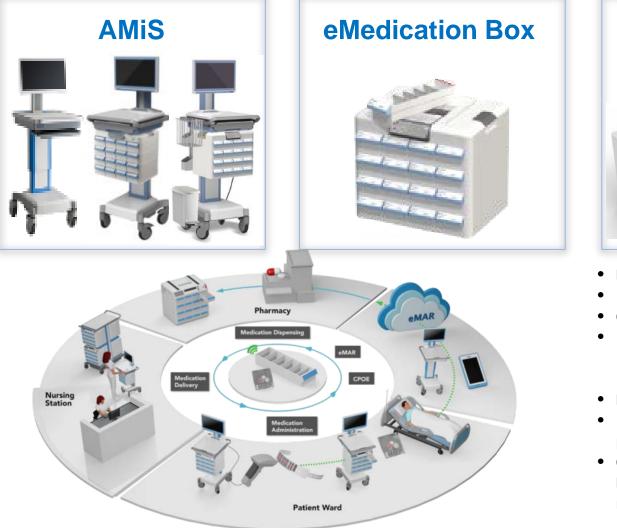


Electrical Height Adjustment Ergonomic height adjustment with an electric motor, resulting in smooth, easy operation.



AD\ANTECH IHealthcare

CLMA Products Offerings

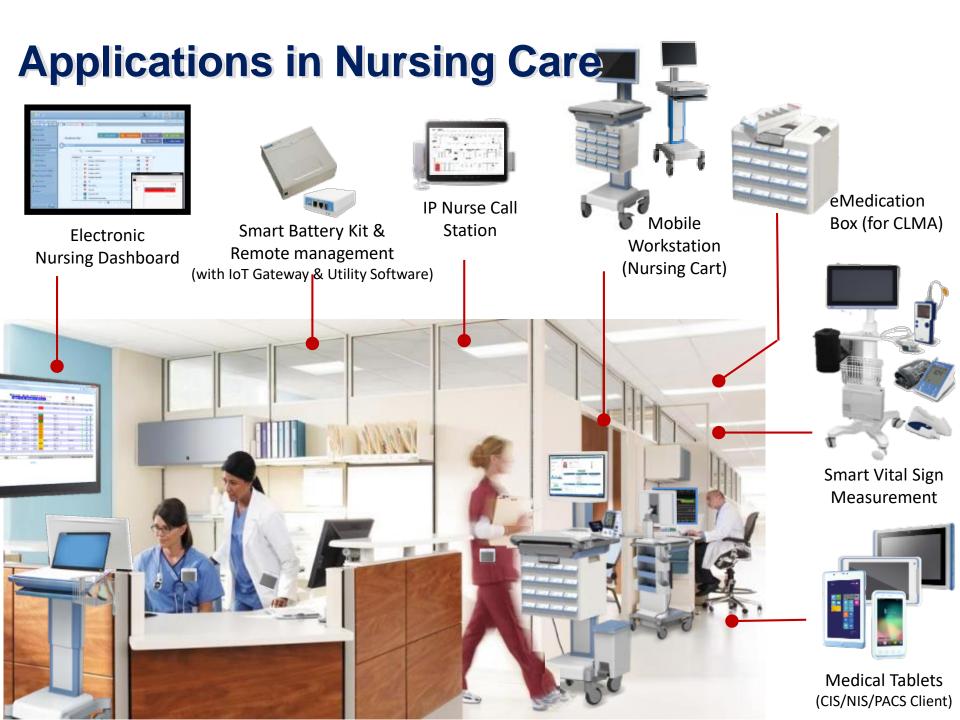




- Easy Swapping as HDD
- Fit for all kinds of non-power carts
- Compatible for AIO DC-in models
- Hot Swappable with Maximum
 Power Capacity 200Wh 2 Power
 Modules plugged
- Fanless Design for infection control

AD\ANTECH IHealthcare

- Front side 2 USB ports for peripheral devices charging
- Client and Server base Battery Management System for IT monitoring



Advantech iHealthcare

iHealthcare Domain Specific BATE Cloud **Integrated OR** ICU/ER Mobile & Hospital **Nurse Station Patient Ward** Ambulatory Reception **Cognitive Solutions RESTful API** Healthcare Protocol: HIPPA/HL7/eMAR/CLMA/DICOM/HTM08-03 **Applicatio** n Ready **Platforms** AMiS Link Surgical Endoscopic NIS Vital Sign Tele-Medication Nurse Call iWard Medi Link Collection medicine Image Image Admin POC Link • (a) BeWell ADVANTECH KOSTEC SigmaXG mobitrace HIT Link swvMed • amis **Medical** Computi ng Medical Display & **Healthcare Information** Medical Carts & **Systems Medical AIO Computers** Medical Tablet & AIM iOR Box **Terminals** Telemedicine dust Bluetooth' ZigBee WIF Sub-IGHz LoRa **NB-IoT** SIGFOX **Medical** IoT **Devices**



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AD\ANTECH IHealthcare

From Hospital to Healthcare Systems







Thank You



Digital Healthcare

Engaged with Smarter Hospitals



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