

## A Medical Platform to Count On



Advantech is a market leader with over 10 years of experience delivering comprehensive high-performance computing systems for the medical market and top 10 global medical companies. All computing platforms are designed to satisfy demanding mission-critical goals for enhancing the quality and efficiency of healthcare:

### ■ Product reliability and quality

With ISO 2003 and 13485 certifications, Advantech designs and manufactures products following strict quality assurance procedures; our products have been adopted by major medical companies worldwide.

### ■ Certifications

Advantech medical products meet UL60601-1/EN06061-1 standards for electrical and mechanical safety. Advantech also has an ISO 13485 certification which serves as a quality management certification in design and manufacturing for medical computing devices under existing national regulations.

### ■ Product longevity

Durability reduces costly maintenance and simplifies upgrades. By partnering with leading vendors and suppliers, Advantech always provides customers with stable and reliable products to ensure system longevity and overall cost-efficiency.

### ■ Customer service

With local support provided by regional service centers in the US, China, Asia, and Europe, Advantech delivers seamless and efficient services without boundaries.

### ■ Global sales and services

With 25 years of experience, and the combined talent of more than 2,000 people, Advantech operates an extensive support, sales and marketing network in 16 countries and 28 major cities to deliver fast time-to-market services to our worldwide customers.

## The Emergence of Healthcare Infotainment

Healthcare Healthcare Infotainment terminals are a variety of “bedside terminals” that allow patients to do anything from watching movies and TV, to making phone calls, playing games, or communicating via the internet. They can also be used for email, web browsing, accessing hospital intranets, or if medically advisable, even work.

Infotainment terminals may also be used by medical staff and care providers to perform medical functions.



### Application Areas

#### Hospitals / Medical Centers

- Bedside entertainment programs
- Communication and intranet services
- Service on demand applications
- Remote patient data retrieval



#### Treatment Centers

- Wide viewing angle and sharp images for diagnosis and discussion
- Photo, video, and multimedia display
- Advertising and educational services
- Video capture



#### Elderly Care / Home Healthcare

- Video communication for easy interaction
- Personal alarms and telecare monitoring system
- Emergency call
- Community service bulletin



### Successful Applications



#### Enhancing Data Accuracy and Efficiency in the Blood Lab

Location : Taiwan  
Hospital : ChungGung Memorial Hospital  
Application : Patient identification & queuing system



#### Higher Patient Satisfaction in the Ward

Location : Hong Kong  
Hospital : Hong Hong Sanatorium & Hospital  
Application : Bedside infotainment & facility control

## Single Integrated Bedside Solution

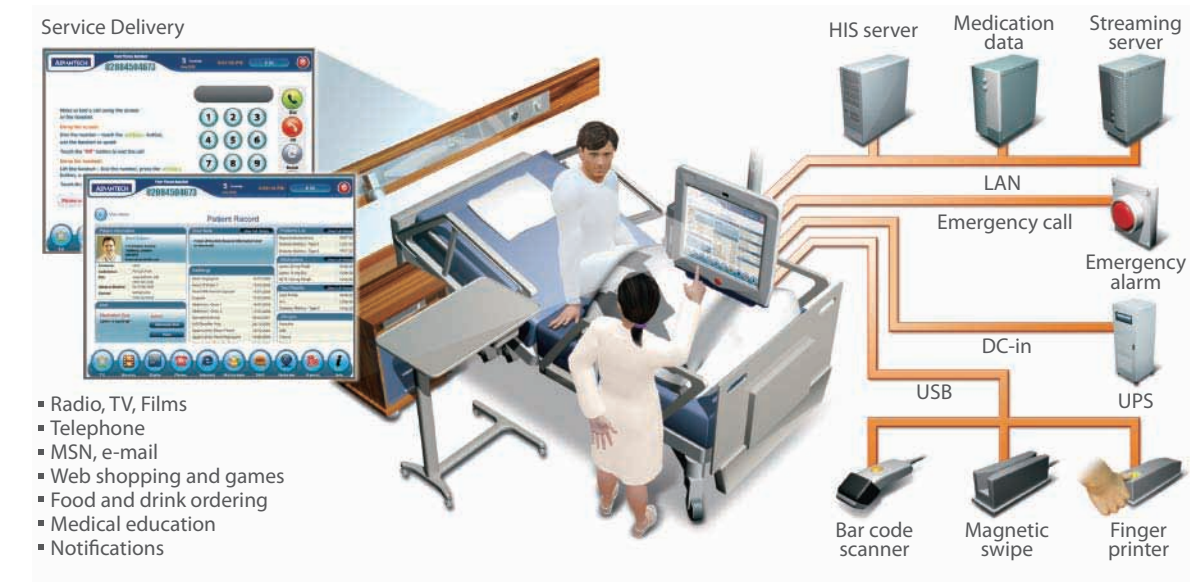
### Potential Applications

- Hospital services/directions
- Menus/special order
- Promotional videos
- Internet access
- Digital phone
- Intranet access
- Movies-on-demand
- Bed administration
- Accounts and billing
- HIS reporting/surveys
- Electronic drug charting
- Educational programming
- Nursing observation assistant
- Electronic patient records (EPR)
- Computerized physician/provider order entry (CPOE)
- Video conferences with home



### Software Solutions

Working with the world's leading clinical bedside computing technology, our software partners provide a secure touchscreen gateway to clinical diagnostic power, up to date medical data and the latest digital entertainment & communications services from every patient bedside.



### Why Choose Advantech for Healthcare Solutions?

- Over ten years experience in medical markets
- Dedicated medical R & D team of engineers
- Strict revision control and design reliability
- Serving the top 10 global medical companies
- Global logistics and RMA services with local support
- Extensive customization capability from board to system level
- UL60601-1/EN60601-1 certified
- ISO 13485 certified
- Experience with global healthcare market regulations
- Sealed to meet IP65/NEMA4 standards
- Longevity and superior warranty/service options
- Global company with worldwide presence
- Ecosystem partnership for patient infotainment software development





Product Information

PATIENT INFOTAINMENT TERMINAL CHECKLIST

- ✓ Cost-effective
- ✓ Touchscreen
- ✓ Remote control
- ✓ RFID
- ✓ Smart card
- ✓ Durable
- ✓ Anti-bacterial enclosure
- ✓ Easy to clean and disinfect
- ✓ Flexible mounting solutions
- ✓ Quiet/silent operation
- ✓ Low heat dissipation
- ✓ Flexible communications
- ✓ Easily updatable
- ✓ Digital TV Tuner
- ✓ Flexible audio options
- ✓ UL60601-1 certified
- ✓ EN60601-1 certified
- ✓ IPX1 and IP65/ NEMA4 certified

PIT-1501W/1502W

- Intel® Atom™ 1.6 GHz Processor / Atom™ Dual Core Processor 1.6 GHz
- 15.6" TFT-LCD display with touchscreen
- Built-in 2.0 megapixel camera
- Built-in mic, speaker & head-set support
- Equipped with RFID/Wi-Fi/Smart Card Reader
- Built-in emergency key and 2 x indicators
- Multiple input supports: RJ-45, USB x 2, COM x 1
- Windows® XP Embedded architecture



PIT-1702

- Intel® Celeron® M Processor ULV 1.06 GHz/ Intel® Core™2 Duo Processor 1.06 GHz
- 17" TFT-LCD with touchscreen
- Built-in 2.0 megapixel camera
- Built-in mic, speaker & head-set support
- Equipped with RFID/WiFi/Smart Card Reader
- Built-in emergency key and 2 x indicators
- Multiple input supports: RJ-45, USB x 2
- Windows® XP Embedded architecture



UTC-W101

- 10.1" Wide w/touchscreen, Intel® Atom™ Processor Z530 1.6 GHz
- Optional : RFID/Wi-Fi/TV Tuner
- Lightweight / Flexible Mounting VESA75
- Front panel IP65/NEMA4 compliant
- Windows® XP Embedded architecture



HIT-W121

- 11.6" Wide Full Flat Display with touchscreen, Intel® Atom™ Dual Core Processor 1.6 GHz
- Smart Card Reader Ready
- Optional: Handset /RFID/Wi-Fi /TV Tuner/2.0 Megapixel camera
- Lightweight/Flexible Mounting VESA75
- IP54 Front Panel and IPX1 system compliant
- Windows® XP Embedded architecture



HIT-W151

- 15.6" Wide Full Flat Display with touchscreen, Intel® Atom™ Dual Core Processor 1.6 GHz
- Smart Card Reader Ready
- Optional: Barcode/RFID/Wi-Fi/TV Tuner/2.0 Megapixel camera
- Lightweight / Flexible Mounting VESA75/100
- Windows® XP Embedded architecture



Regional Service & Customization Centers

<b>China</b>	Kunshan 86-512-5777-5666	<b>Taiwan</b>	Taipei 886-2-2792-7818	<b>Netherlands</b>	Eindhoven 31-40-267-7000	<b>Poland</b>	Warsaw 48-22-33-23-730	<b>USA</b>	Milpitas, CA 1-408-519-3800
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Worldwide Offices

<b>Greater China</b>		<b>Asia Pacific</b>		<b>Europe</b>		<b>Americas</b>	
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Kaohsiung	886-7-229-3600	Penang		<b>Benelux &amp; Nordics</b>			
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		Indonesia					
		62-21-7690525					
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		Moscow					
		8-800-555-01-50					
		7-495-232-1692					

Advantech Healthcare Infotainment Solutions

Creating Digital Possibilities for Patient Care



- ✓ Hospitals
- ✓ Medical Centers
- ✓ Treatment Centers
- ✓ Elderly Care
- ✓ Home Healthcare



ADVANTECH

Enabling an Intelligent Planet

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ADVANTECH Digital Healthcare

Intel Embedded and Communications Alliance

TVS Thailand EN60601-1

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