# Advantech Healthcare Infotainment Terminals

**Enhancing Medical IT Connectivity and Efficiency** 



- Hospitals
- // Treatment Centers
- Senior Care
- Nursing Homes
- ✓ Home Care
- Fitness Centers





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# An eHealthcare Platform to Count On

Advantech healthcare infotainment terminals are designed to satisfy strong demands for faster, safer, and reliable health communications systems by enhancing the quality and efficiency at hospitals and healthcare-related facilities.



## **Hospitals / Medical Centers**

- Patient entertainment programs
- Bedside communications and intranet services
- Clinical service at wards with patient data retrieval

Care receiver entertainment and communications

- Patient identification at exam rooms and drug stores
- HIS/NIS/PACS





## Service on demand applications

**Treatment Centers** 

- Display and discuss symptoms at chairside
- Video capture for diagnosis and analysis
- Ideal for dialysis centers and clinics

## Senior Care / Home Care

- Nursing call system
- Emergency medical service dispatch
- Video communications for remote medical consultation
- Personal health management
- Medication reminders and community service bulletins



## **Enhancing the Healing Environment**



## Advantech Healthcare Infotainment Terminals Inspire a Smarter Lifestyle

- Medically certified terminals with an anti-bacterial housing are designed for hospital bedside infotainment, patient identification, treatment center infotainment, home care service, and fitness equipment operation.
- New lightweight and slim design for easy deployment at bedside, wall mounting, and table side installations (VESA 75/100mm standard mounting); customizable color bezel choices.
- Potential applications include multimedia and interactive content, internet access, digital phone, intranet access, video conferencing, educational programs, accounts & billing, and electronic patient record retrieval.
- Benefits include enhanced service quality, improved patient communications, increased work efficiency & data accuracy, and new revenue streams.



# In Touch with Patients

Patient infotainment refers to 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 even work if medically advisable. Infotainment terminals may also be used to alert staff, call for help, and operate beds, lighting, curtains, and other installations. Infotainment terminals may be used by patients as well as medical staff and care providers. The terminals can be used to look up electronic patient records, lab results and tests; monitor vital signs and other signals; document observations and changes; and more. This means a single integrated solution can provide digital entertainment and clinical services, as well as communication to the point-of-care.

## **Software Solutions**

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



## **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

# **Enhancing the Hospital Stay Experience**

### **Bedside Infotainment and Satisfaction**

#### **Obtain educational information:**

Patient specific educational multimedia programs can be delivered to the patient for information related to their medical needs.

#### Alleviate anxiety:

Provide TV service, movies, and computer games to the patient to help alleviate anxiety and stress.

#### **Stay connected:**

The built-in webcam, along with internet access, can help a patient stay connected while they are out of work and away from family.

#### Productivity and Service Quality

#### Increase working efficiency:

Medical staff can perform patient-care while accessing and updating medical records at the bedside, reducing paperwork and possible transcription errors.

#### Improve data accuracy:

The onboard RFID module can be activated for accurate medicine tracking and patient medical record access, reducing patient identification errors.

#### Achieve rapid ROI:

The bedside terminal improves patient satisfaction. Additionally, a wide range of on-demand movies, television, internet, and video games can generate additional revenue for the hospital, achieving a rapid ROI.



Network ConnectivityBuilt-in WAN/LAN



Smart Card Reader
 Smart Card authentication for commercial billing



 Handset & CMOS Camera
 Handset for video phone/ Skype/ MSN communications





**TV Tuner** • Multiple TV channels



**RFID Enabled** 

Retrieve electronic patient
 records via RFID



Built-in Emergency Button
Request help and service with one touch

## **Clinical Services Benchmarks**

### **Applications at Dialysis Centers**

Patients undergoing dialysis are treated at facilities three days a week, 4 to 5½ hours per treatment. While the patient is receiving the treatment, they can pass the time with an entertainment system located right at the dialysis station, allowing them to watch satellite TV, listen to the radio, play games, access the internet or watch health-related programs.

## **Applications at Clinics**

To create a pleasant and relaxed environment for both care receiver and care giver, the infotainment terminal is able to accommodate a person lying in a chair or bed as well as support work going on in the room. With a touch panel installed at bedside or chairside at clinics, patients can obtain a variety of information, including treatment, symptoms, results and prognoses.



# **Extend the Reach of Care into** the Home and Senior Centers



Vital Signs Management & Survey Response

HIT-W121

Keeps the Patients Connected to Their Care Givers

Care Manager

## **PIT-1502W** Streams Revenue **into Israel's** Public Health Hospitals



#### System

Advantech's PIT-1502W has already been installed in three of the hospitals for the Clalit Health Services Association. Over 1,000 units are in use at Rabin Medical Center, Hasharon Medical Center and Kaplan Medical Center, and the hospital is following a three-year roll out plan to install a total of 4,500 units. PIT-1502W offers the hospital a myriad of possibilities including Wi-Fi, RFID (for positive identifications), handset, Smart card reader, and two megapixel webcam. It has the capability of providing TV, movies and computer games on a subscription basis, thus creating revenue streams for the hospital association. The IP65-rated, medicallycertified PIT-1502W is easy to clean, designed with a slim, non-obtrusive form factor that supports VESA mounting, and features isolated I/O connectors.



Location: Clalit Health Services, Tel-Aviv, Israel

### Background

Clalit Health Services was founded in 1911 by a group of 150 immigrant workers who joined together to form a mutual aid health care association. From these humble roots through dedication and through many challenges Clalit has grown into Israel's major health organization, and one of the most progressive public health associations in the world. The association consists of 14 hospitals and more than 1,200 primary and specialized clinics providing advanced medical care, pharmaceutical services, dental clinics, laboratories, diagnostic imaging, and specialist centers to more than 3,000,000 members. The hospital launched a project to offer modernized patient infotainment services to patients in seven of their hospitals, replacing existing TV rental systems. The goal was to continue to provide television services but also expand offerings to include internet access and voice over IP. They planned to monetize the service, thus creating additional revenue streams for the hospital. The hospital requirements called for reliable and rugged systems that were affordable and had medical certifications.

### **Solution**

Clalit Health Services turned to Telepharm Ltd., the largest integrator and supplier for TV rental services in hospitals throughout Israel. They provide customized software and a strong hardware support network. Telepharm worked together with Dangot Computers, Ltd., a Tel-Aviv-based distributor of Advantech medical and mobility products and a system integrator, with a nationwide chain of resellers and technical support for this large project. After a long evaluation period, the hospital selected the Advantech PIT-1502W on the basis of ruggedness, performance, and medical certifications, as well as being available at a reasonable cost. The PIT-1502W is a 15.6" multi-function touchscreen patient infotainment terminal with Intel® Atom™ N450/D510 processors. It is certified with both ITE and medical dual-certifications (EN-60950 & EN-60601-1), and it provides reliable, fanless, dual-core performance.

### **Benefits**

The hospital is happy with the Advantech PIT-1502W systems, and the roll-out continues on schedule. They have cited several reasons for the success of the installation:

- Cost-effectiveness
- Future capabilities for application expansion based on customized software
- Durable and rugged design, which is fanless and space-optimized
- Modernized infotainment solution that adds revenue to the hospital group
- Advantech's reputation and know-how combined with local partner support

## **Bedside Infotainment Terminals Set Hospital Apart from Competition**

Location: Hong Kong Sanatorium & Hospital, Hong Kong



#### Background

Founded in 1922, the Hong Kong Sanatorium & Hospital is a comprehensive hospital owned by Hong Kong Sanatorium & Hospital Limited, a private-sector enterprise. With the motto "Quality in Service, Excellence in Care," the hospital strives to be the leading choice of patients and doctors, both local and overseas, with excellent medical care, state-of-the-art equipment and unparalleled expertise. Today, Hong Kong Sanatorium & Hospital is one of the most prestigious medical institutions in Hong Kong, offering a wide range of general and specialist services, clinical diagnostics and advanced treatments. The recent completion of Li Shu Pui Block Phase III heralds a new era of the hospital's development. Commanding a magnificent view of the Happy Valley, this 38-story tower accommodates a nuclear medicine and PET department; a cardiology center; a pediatric ward; radiation isolation and low infection wards; and private, semi-private and general patient wards. In pursuit of high-tech, efficient services well attuned to patients' and doctors' needs, the hospital turned to Advantech for a solution to meet their objectives.

## Solution

While maintaining the highest standard of established patient care, the Hong Kong Sanatorium & Hospital constantly strives to find a better way to improve its services to patients and make their stays more pleasant. Advantech's Patient Infotainment Terminal (PIT) was selected to provide a means to enhance medical treatment, minimize errors, positively identify medical staff and their patients, and have access to information. From sales, to selection of a software solutions partner, to installation and deployment by GE Healthcare, the systems integrator, Advantech assisted in the delivery of an all-encompassing system solution. During the Phase III construction, Advantech's PIT terminal was integrated into every in-patient area, creating a high-tech and modern infrastructure to support advanced medical services in a patient-friendly environment. Over 450 systems have already been installed at the hospital, offering a wide variety of TV channels, broadband internet access, medical-related videos and hospital information to deluxe private suites, deluxe private rooms, private rooms, semi-private single rooms, the general ward and the pediatric ward. The same system wil be installed in the ICU at a later date. VOIP phone is available in most areas except for the general ward. With the PIT's SIM card reader being an effective identification tool, the hospital hopes that the systems act as the springboard for a future of extensively computerized access to information and patient records.

## System

Advantech Patient Infotainment Terminal (PIT) is an Intel-based 17", fanless touchscreen PC. It is mounted next to a patient's bedside using 75/100mm VESA standard mounting holes. PIT products have an IP65-certified, rubber-sealed front panel, an IPX1 drip-proof rating, and carry UL60601-1/EN60601-1 medical certifications.

PIT products feature a 5-wire resistive touchscreen panel (30 million touches), smart card reader and microphone. The smart card reader can identify hospital personnel. High-resolution displays enable the viewing of X-ray images and other information right at the patient's bedside. PIT products are internet-ready with the capacity of delivering a wide variety of health-related information (in the form of health-related articles and high-quality videos), multimedia entertainment and communication options to patients, as well as bettering medical services. During the new phase renovation, hospital planners installed the PIT system with a full set of accessories, including a handset, remote control, earphone and keyboard.

## **Benefits**

- Instant communications and web access at patients' fingertips
- Personalized entertainment
- Health education and medical research
- Highly productive and multi-functional
- Reduce boredom and increase satisfaction of hospital stays
- Within quick reach of medical personnel
- Positive ID of medical staff
- Ready, quick and uninterrupted access to extensive medical information
- Streamlined patient care
- A unique competitive edge



## **Patient Mon**itoring at the Tri-Service **General Hospital**



#### System

Advantech's PIT-1702 Patient Infotainment Terminal is quiet and mounts unobtrusively outside the ICU area. It helps staff with monitoring, recording patient information, and retrieving vital data from hospital information systems. An LED alert is able to signal staff when attention is needed, improving response and care to the patient. Location: Tri-Service General Hospital, Taiwan

### Background

The Tri-Service General Hospital in Taiwan originally served as an army hospital in 1946. Today the hospital serves as a teaching hospital, provides general clinical care, as well as speciality treatment for aerospace medicine, undersea medicine and nuclear radiation injury. As a first-rate teaching hospital, TSGH responds to rapid changes in the medical environment at its central facility by continually improving processes, medical resources, and technologies. The hospital had been using makeshift medical cart technology with commerical PCs, a cabling mess, cleaning issues, short battery life and off-the-shelf displays which just didn't fit. In addition, hospital staff identified the need to add diagnostic displays outside patient rooms in the ICU. The scope of the new project required durable, medical-grade devices that could provide patient monitoring, diagnosis and connectivity to legacy systems in the hospital.

## **Solution**

With Advantech's support, hospital administrators chose a solution for its nursing carts based on the PIT-1502W, a Patient Infotainment Terminal with a 15" display, and fanless, lightweight design. For use outside the ICU, the hospital selected the PIT-1702 model, with its 17" display and VESA swivel-arm mounting. Both systems are medically certified (UL60601-1/EN60601-1), with an IP65 rated front panel. The systems can be cleaned with anti-bacterial cleansers. Cable management for the TSGH nursing cart is convenient and effective. The swivel arm allows easy access and viewing, and the display can be stowed out of the way when not in use. Built-in WiFi provides connectivity to the hospital's PACS systems and other information systems, delivering real-time information to medical staff allowing them to work smarter, and positive identification via RFID prevents unauthorized access.

## **Benefits**

The hospital installed 15 PIT-1502W units on nursing carts and 55 PIT-1702 units at the ICU as its first phase of the project. Both systems have been very well received by staff. The next phase of the project will expand use of the systems inside the ICU and in patient rooms at bedside for staff use, meal ordering and medical data access. Key benefits to the hospital are:



- Easy to use touchscreen interface
- WiFi connectivity to hospital information systems
- Long-lasting battery life (6-8 hours) for use through an entire shift on the nursing cart
- Wide range of electrical input: 12VDC-90VDC
- Cable management and swivel arm mounts
- Medical-grade rating and fanless operation for reliable and quiet use
- Anti-dust design that is easy to clean
- Improved hospital hygiene with anti-bacterial materials that reduce the risk of germs and infections by 98%
- Waterproof IP65-rated front panel and 10G anti-vibration rating
- Smartcard authentication of medical personnel
- Increased efficiency for hospital staff

## **Enhancing Data Accuracy at the Chang Gung Memorial Hospital**

Location: Hospital Blood Lab, Taiwan



#### Background

In the Chang Gung Memorial Hospital (CGMH), phlebotomy technicians in the blood lab check labels on blood samples with that of patient data from patient health insurance cards. According to Chi-Rey Lin, Supervisor of the Department of Laboratory Medicine, about 13,000 to 14,000 people per month have their blood drawn in the hospital's lab. On weekends, the hospital sees more than 500 patients per day. Errors can occur if mistakes are made when matching blood samples to patients. To reduce human error and improve service quality, CGMH installed Advantech Patient Infotainment Terminals (PIT-1501W) to assist with patient identification.

## Solution

PIT-1501W units are installed on the countertops in the blood lab. Thanks to the unit's slim size, all-in-one computing design, and medical-grade features, the PIT-1501W is good fit for the space constraints of the counter area. With an anti-bacterial enclosure and a water-proof front panel, PIT-1501W is easy to clean. Designed for reliability, longevity, and backed by a superior warranty, the patient infotainment terminal is better for healthcare applications than a consumer grade, all-in-one personal computer.

In the near future, according to Lin, the hospital will take advantage of more of the available features of the patient infotainment terminals such as: integrating the units with the current queuing system, using the built-in LED indicators to send alerts to waiting patients, using the web camera to monitor patient/nurse conversations for audit and service issues, extending PIT-1501W units into the drug store and at nursing stations, and using the systems to assist in patient identification.

## System



## **Benefits**

- Increases working efficiency in the blood lab, reducing paperwork errors
- Streamlines the patient care process
- Improves data accuracy
- Directs access to patient records, reducing patient identification errors
- Provides real time availability of patient in-hospital historical records
- Safeguards from technology reduce patient anxieties



## **Advanced Features to Healthcare Services**

#### Flexible Computing Platforms with Full HD Capacity

- Systems range from Intel<sup>®</sup> Core<sup>™</sup> i7, Core<sup>™</sup>2 Duo, Atom<sup>™</sup> Dual-Core, and Celeron<sup>®</sup> processors
- Entertainment Digital/analog TV, streaming movies, and computer games
- Education Streaming on-line procedural videos diagnosis and analysis



## Rich Peripheral Options for Infotainment, Communications, Identification, and Payment



#### Lightweight, Slim Design for Mounting Flexibility



#### **Customizable Colorful Front Bezels and Hot Keys**



#### Medical Certifications, Industrial Reliability & Longevity

- Optional support for both medical & IT certifications
- Reliability Withstands shocks of 1G / Vibrations of 30G
- Isolated I/O COM and LAN ports have electrical isolation to prevent interference
- Longevity support Industrial long-life cycle support





### Selection Guide





Model Name		UTC-W101 10.1" Healthcare Infotainment Terminal	<b>PIT-1502W</b> 15.6" Patient Infotainment Terminal	
	CPU	Atom Z530 1.67GHz	Atom D510 Dual Core 1.67 GHz	
System	Chipset	Z530P + US15WP	D510 + ICH8M	
	Memory	1 GB	1 GB (up to 4G)	
	Storage	CF	CF or 2.5" HDD SATA	
	Camera	2 Megapixel (optional, by request)	2 Megapixel	
	Size	10.1" (16:9)	15.6" (16:9)	
Diambar	Max Resolution	1024 x 600	1366 x 768	
Display	Brightness	200 cd/m2	300 cd/m2	
	Contrast Ratio	400: 1	500:1	
	Туре	Film Analog Resistive	Analog Resistive	
Touchscreen	Light Transmission	80%	80%	
	Durability	36 million touches	30 million touches	
	USB	4 ( Rear x 4)	3 (Down x 2, Rear x 1)	
	COM Port	2 (Isolated)	1 (Isolated)	
	VGA	-	1 (Optional)	
1/0	GPIO	-	-	
	Smart Card Reader	-	1	
	RFID	-	1 (Optional)	
	3-in-1 Card Reader	-	-	
N later and a	LAN	2 (10/100/1000 Mbps)	1 (10/100/100 Mbps)	
INETWORK	WLAN	802.11 b/g/n	802.11 b/g/n	
	Hotkey	6	1 (optional key, up to 7)	
Emergency Alarm	LED Light Indicator	1	2	
Evnansion	Mini-PCI	-	-	
	Mini-PCle	1	1	
Mechanical	Dimensions (WxHxD)	258 x 199 x 38.3 mm	416 x 308 x 75 mm	
Mechanica	Weight	1.2 kg	4.8 kg	
ID Dating	Front Panel	IP65	IP65	
	All Around	-	IPX1	
	MSR	-	Yes	
	Barcode Scanner	-	Yes	
	TV Tuner	-	Yes	
Optional Accessories	Handset Kit	-	Yes	
	Remote Control	-	Yes (9 keys)	
	Swing Arm	Yes	Yes	
	Dual Touch	-	Yes	







PIT-1503W	PIT-1702	PIT-1703
15.6" Full-flat Patient	17" Patient	17" Full-flat Patient
iniotainment terminai	Core 2 Duo 1 06 GHz /	Atom D525 Dual Core 1 8 GHz /
Atom D510 Dual Core 1.67 GHz	Celeron M 1.06 GHz	Intel <sup>®</sup> Core™ i7 1.5 GHz
D510 + ICH8M	945GME	D525 + ICH8M / 2610UE + U845E
1 GB (up to 4G)	1 GB (up to 2G)	DDR3 1 GB (up to 4G) - D525 DDR3 1 GB (up 16G) - i7
CF or 2.5" HDD SATA	CF or 2.5" HDD SATA	CF or 2.5" SATA HDD
2 Megapixel	2 Megapixel	2 Megapixel
15.6" (16:9)	17"	17"
1366 x 768	1280 x 1024	1280 x 1024
300 cd/m2	300 cd/m2	300 cd/m2
500:1	800:1	800:1
Full-Flat Analog Resistive	Analog Resistive	Full-Flat Analog Resistive
80%	80%	80%
30 million touches	30 million touches	30 million touches
3 (Down x 2, Rear x 1)	3 (Down x 2, Rear x 1)	3 (Down x 2, Rear x 1)
1 (Isolated)	-	-
1 (Optional)	1 (Optional)	1 (Optional)
-	-	-
 1	1	1
1 (Optional)	1 (Optional)	1 (Optional)
-	-	-
1 (10/100/100 Mbps)	1 (10/100 Mbps)	1 (10/100 Mbps)
802.11 b/g/n	802.11 b/g	802.11 b/g/n
5 or 8	1 (optional key, up to 7)	5 or 8
2	2	2
-	1	1
1	-	2
416 x 308 x 75 mm	448 x 393 x 73.5 mm	448 x 393 x 73.5 mm
4.8 kg	6.8 kg	6.8 kg
IP65	IP65	IP65
IPX1	IPX1	IPX1
Yes	Yes	Yes
Yes (9 keys)	Yes (9 keys)	Yes (9 keys)
Yes	Yes	Yes
Yes	Yes	Yes

### Selection Guide





Model Name		HIT-W121 11.6" Healthcare	HIT-W151 15.6" Healthcare		
	CPU	Atom D510 Dual Core 1.67 GHz	Atom D510 Dual Core 1.67 GHz		
	Chipset	D510 + ICH8M	D510 + ICH8M		
System	Memory	1 GB (up to 2G)	1 GB (up to 2G)		
	Storage	CF or 2.5" HDD SATA	CF or 2.5" SATA HDD		
	Camera	2 Megapixel	2 Megapixel		
	Size	11.6" (16:9)	15.6" (16:9)		
Dioplay	Max Resolution	1366 x 768	1366 x 768		
Display	Brightness	200 cd/m2	300 cd/m2		
	Contrast Ratio	400:1	500:1		
	Туре	Full-Flat Analog Resistive	Full-Flat Analog Resistive		
Touchscreen	Light Transmission	80%	80%		
	Durability	30 million touches	30 million touches		
	USB	3 (Side x 2, Rear x 1)	5 (Rear x 4, Side x 1)		
	COM Port	1 (Isolated)	2		
	VGA	Optional (by request)	1		
I/O	GPIO	-	1		
	Smart Card Reader	1	1 (Optional)		
	RFID	1 (Optional)	1 (Optional)		
	3-in-1 Card Reader	-	1		
Notwork	LAN	1 (10/100/100 Mbps)	2 (10/100/1000 Mbps)		
Network	WLAN	802.11 b/g/n	802.11 b/g/n		
	Hotkey	5 ( 2 types )	5 or 8 ( 2 types )		
	LED Light Indicator	1	-	s)	
Evpancion	Mini-PCI	-	-	n 25 )	
	Mini-PCle	2	1		
Mechanical	Dimensions (WxHxD)	302.5 x 220.25 x 43 mm	400 x 285 x 50.3 mm		
	Weight	2.3 kg	5 kg		
IP Rating	Front Panel	IP54	IP65		
	All Around	IPX1	-		
	MSR	Yes	Yes		
	Barcode Scanner	Yes	Yes		
	TV Tuner	Yes	400 x 285 x 50.3 mm 5 kg IP65 - Yes Yes - - -		
Optional Accessories	Handset Kit	Yes	-	_	
	Remote Control	-	-		
	Swing Arm	Yes	Yes		
	Dual Touch	Yes	Yes		



HIT-W181	HIT-W221
18.5" Healthcare	21.5" Healthcare
Infotainment Terminal	Infotainment Terminal
2610UE + U845E	2610UE + U845E
DDR3 1 GB (up to 4G) - D525 DDR3 1 GB (up 16G) - i7	DDR3 1 GB (up to 4G) - D525 DDR3 1 GB (up 16G) - i7
CF or 2.5" SATA HDD	CF or 2.5" SATA HDD
2 Megapixel	2 Megapixel
18.5" (16:9)	21.5" (16:9)
1366 x 768	1920 x 1080
350 cd/m2	250 cd/m2
1000:1	5000:1
Full-Flat Analog Resistive	Full-Flat Analog Resistive
 80%	80%
30 million touches	30 million touches
3 (Down x 2, Rear x 1)	4 (Down x 2, Rear x 2) - D525 6 (Down x 2, Rear x 4) - i7
1 (Isolated)	2 (Isolated)
1 (Optional)	1
-	-
1	1
1 (Optional)	1 (Optional)
1	1
1 (10/100/1000 Mbps)	2 (10/100/1000 Mbps)
802.11 b/g/n	802.11 b/g/n
5	5
1 (3 colors)	1 (3 colors)
-	-
2	2
460 x 328 x 48 mm	460 x 328 x 48 mm
6.5 kg	6.8 kg
IP65	IP65
IPX1	IPX1
Yes	Yes
Yes (9 keys)	Yes (9 keys)
Yes	Yes
Yes	Yes

## Ordering Information - PIT Series

PIT-1502	
Part Number	Discription
PIT-1502W-ASTE	Atom D510 CPU (Dual Core). Smart Card Beader Lan. COM port
PIT-1502W-ASTCE	PIT-1502W-ASTE (D510) + 1G BAM, 160 HD, WIFI, BFID, 2M Camera, XPE, ITE Adapter
PIT-1502W-ASTOE	PIT-1502W-ASTE (D510) + 1G BAM, 160 HD, WiFi, BFID, 2M Camera, XPE, Medical Adapter
PIT 1502 Accessories	
PII-1501W-HSKE	PTI-1501/2 W Handset Kit
PII-1501W-RCKE	PII-1501/2 W Remote Control Kit (9 Keys)
PII-1502W-VFKE	PII-1501/2 W IV Tuner (EU: DVBT+Analog, Hybrid)
PII-1502W-VUKE	PII-1501/2 W IV luner (US: AISC+Analog, Hybrid)
PII-1501W-MSR0E	PII-1501/2 W MSR(Magnetic Card Reader)
PII-ARM-WMOE	PTI Series Swing Arm (Wall Mount, 1~6 KG)
PII-ARM-WM1E	PTI Series Swing Arm (Wall Mount, 6~12 KG)
PIT-1503	
Part Number	Discription
PIT-1503W-ASTE	Atom D510 CPU (Dual Core), Smart Card Reader, Lan, COM port
PIT-1503W-ASTCE	PIT-1503W-ASTE (D510) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
PIT-1503W-AST0E	PIT-1503W-ASTE (D510) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter
PIT-1503 Accessories	
PIT-1501W-HSKE	PIT-1501/2 W Handset Kit
PIT-1501W-BCKF	PIT-1501/2 W Bemote Control Kit (9 Kevs)
PIT-1502W-VFKE	PIT-1501/2 W TV Tuner (EU: DVBT+Analog. Hybrid)
PIT-1502W-VUKE	PIT-1501/2 W TV Tuner (US: ATSC+Analog, Hybrid)
PIT-1501W-MSR0E	PIT-1501/2 W MSR(Magnetic Card Reader)
PIT-ARM-WM0E	PIT Series Swing Arm (Wall Mount, 1~6 KG)
PIT-ARM-WM1E	PIT Series Swing Arm (Wall Mount, 6~12 KG)
PIT-1702	
Part Number	Discription
PIT-1702-CST0E	Celeron M Platform, 17", Intel 945 Celeron M 1.06 G, 1 G SDRAM, 160 G HDD
PIT-1702-UST0E	Core2 Duo Platform, 17", Intel 945 Core2 Duo 1.06 G.1 G SDRAM, 160 G HDD
PIT-1702 Accessories	
	Handrat
DIT 1702 DOKE	Mirad ramata controllar (6 kovo)
PII-1703	
Part Number	
PIT-1703-ASTCE	PII-1703 (U525) + 1G RAM, 160 HD, WiFi, RHD, 2M Camera, XPE, ITE Adapter
PIT-1703-ASTOE	PIT-1703 (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter
PII-1703-ISTCE	PII-1703 (i7) +1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
PII-1703-ISTOE	PII-1703 (i7) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter
PIT-1703 Accessories	
HIT-1702-HSKE	HIT-W181 Handset Kit
HIT-1702-RCKE	HIT-W181 Remote Control Kit (9 Keys)
HIT-1702-VFK1E	HIT-W181 TV Tuner (EU: DVBT+Analog, Hybrid)
HIT-1702-VUK1E	HIT-W181 TV Tuner (US: ATSC+Analog, Hybrid)
HIT-1702-MSR0E	HIT-W181 MSR (Magnetic Card Reader)
PIT-ARM-WM0E	PIT Series Swing Arm (Wall Mount, 1~6 KG)
PIT-ARM-WM1E	PIT Series Swing Arm (Wall Mount, 6~12 KG)

## **Ordering Information - HIT Series**

UTC-W101		HIT-W151 Accessories			
Part Number	Number Discription		HIT series standard accessory:		
UTC-W101E-RE	10.1" Atom 1.6 GHz based fan-less Ubiquitous Touch Computer with Resistive touchscreen, 1G RAM, 2G CF card	HITKITS-MSRUE	MSR Add-on Module		
UTC-W101E-R1E	10.1" Atom 1.1 GHz based fan-less Ubiquitous Touch Computer with Resistive touchscreen, 1G RAM, 2G CF card	HITKITS-USTOE			
UTC-W101E-R1XPE0E UTC-W101E-R1E with XPE image		HITKITS-EUT0E	EU DVB-T Analog/Digital Hybrid Tuner		
UTC-W101E-GE	10.1" Atom 1.6 GHz based fan-less Ubiquitous Touch Computer w/o touchscreen, 1G RAM, 2G CF card	HITKITS-TSD0E	HIT series standard accessory: Table Stand Kit		
UTC-W101E-G1E	10.1" Atom 1.1 GHz based fan-less Ubiquitous Touch Computer w/o touchscreen, 1G RAM, 2G CF card				
UTC-W101 Accessorie	s	HII-WI8I Part Number	Discription		
2070009515	XPE for LITC-W101 V4.0 ENG/CHT/CHS/JPN	Fait Number	HIT-W181-ASOTE (D525) + 1G BAM		
1757003202	AC ADAPTER DC19V/2 1A 40W ESP040-BA	HIT-W181-AST1E	160 HD. WiFi, RFID. 2M Camera, XPE.		
1700001524	Power Cord 3P UL 10A 125V 1 8M (US)		ITE Adapter		
170203183C	Power Code 3P (WS-010+083) 183 cm (Europe)		HIT-W181-ASTOE (D525) + 1G BAM		
1757000022	Medical Power Adapter $\pm 12$ /AC 45W, MPL 50-105	HIT-W181-AMW1E	160 HD, WiFi, RFID, 2M Camera, XPE,		
1101000022	Dever Cord 2D LIL (CSA/LISA) 1251/ 106 1 82M 180D		Medical Adapter		
1702002600	(For Medical Adapter)	HIT-W182-ASTOE	Intel <sup>®</sup> Core™ i7 CPU ,Smart Card Reader, Lan, COM port		
1702002605	Power cord 2P FRANCE TUA/ 16A 22UV 1.83IVI 90D (For Medical Adapter)				
989KW10100E	UTC-W101E STAND Module	HIT-W182-AST1E	WiFi, RFID, 2M Camera, XPE, ITE Adapter		
HIT-W121		HIT-W182-AMW1E	HIT-W182-AST0E (i7) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical		
Part Number	Discription		Adapter		
	11.6" W Full Flat Atom D510 (Service Terminal in Pelished White				
HIT-W121-AST0E	w/ Bare BOM & ITE adapter	HIT-W181 Accesso	ries		
HIT-W121-AST1E	11.6" W Full-Flat Atom D510 iService Terminal in Polished White,	HIT-W181-HSK0E	HIT-W181 Handset Kit		
	w/ Full Config & ITE adapter	HTI-W181-RCK0E	HIT-W181 Remote Control (9 keys)		
HIT-W121-AIS0E	11.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ Bare BOM & ITE adapter	HIT-W181-EUTOE	HIT-W181 TV Tuner (EU: DVBT+Analog, Hybrid)		
HIT-W121-AIS1E	11.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ Full Config & ITE adapter	HIT-W181-UST0E	HIT-W181 TV Tuner (US: ATSC+Analog, Hybrid)		
HIT-W121-AWM0E	HIT-W121-AWM0E 11.6" W Full-Flat Atom D510 Healthcare Terminal in Polished White,		HIT-W181 MSR (Magnetic Card Reader)		
11.6" W Full-Flat Atom D510 Healthcare Terminal in Polished White,		PIT-ARM-WM0E	PIT Series Swing Arm (Wall Mount, 1~6 KG)		
HIT-WT2T-AWMTE W/ Full Config & Medical adapter		PIT-ARM-WM1E	PIT Series Swing Arm (Wall Mount, 6~12 KG)		
HIT-W121-ABM0E	w/ Bare BOM & Medical adapter	HIT-W221			
HIT-W121-ABM1E 11.6" W Full-Flat Atom D510 Healthcare Terminal in Matte Black, w/ Full Config & Medical adapter		Part Number	Discription		
HIT-W121 Accessories		HIT-W221-AST1E	HIT-W221-ASTOE (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE		
HIT-W121-HSKE	Handset Kit for HIT-W121				
HITKITS-MSROE	HIT series standard accessory: MSR Add-on Module		HII-W221-ASTOE (D525) + 1G RAM, 160		
HITKITS-USTOE	HIT series standard accessory: US ATSC/NTSC Hybrid Tuner	HIT-W22T-AWWTE	HD, WIFI, RFID, 2W Gamera, XPE, ITE		
HITKITS-EUT0E	HIT series standard accessory: EU DVB-T Analog/Digital Hybrid Tuner				
HITKITS-TSDOE	HIT series standard accessory: Table Stand Kit	HIT-W222-ASTOE	COM port		
HIT-W151		HIT-W222-AST1E	HIT-W222-ASTOE (i7) +1G RAM, 160 HD,		
Part Number	Discription				
HIT-W151-ASTOE	15.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ 5 touch buttons, Bare BOM & ITE adapter	HIT-W222-AMW1E	HIT-W222-AST0E (i7) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical		
HIT-W151-AST1E	IT-W151-AST1E 15.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/5 Full Config. Bare BOM & ITE adapter		Adapter		
HIT-W151-AIS0E	15.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ 8 touch buttons, Bare BOM & ITE adapter	HIT-W221 Accesso	ries		
HIT-W151-AIS1E	15.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ 8 touch buttons, Full Config & ITE adapter	HTI-W221-RCK0E	HIT-W221 Remote Control (9 keys)		
HIT-W151-AWM0E	15.6" W Full-Flat Atom D510 Service Terminal in Polished White, w/ 5 touch buttons, Bare BOM & Medical adapter	HIT-W221-EUT0E	HIT-W221 TV Tuner (EU: DVBT+Analog, Hybrid)		
HIT-W151-AWM1E	T-W151-AWM1E 15.6" W Full-Flat Atom D510 iService Terminal in Polished White, w/ 5 touch buttons, Full Config & Medical adapter		HIT-W221 TV Tuner (US: ATSC+Analog, Hybrid)		
HIT-W151-ABM0E	15.6" W Full-Flat Atom D510 iService Terminal in Matte Black, w/ 5 touch buttons, Bare BOM & Medical adapter	HIT-W221-MSR0E	HIT-W221 MSR(Magnetic Card Reader)		
15.6" W Full-Flat Atom D510 iService Terminal in Matte Black		PIT-ARM-WM0E	PIT Series Swing Arm (Wall Mount, 1~6 KG)		
HIT-W151-ABM1E	w/ 5 touch buttons, Full Config & Medical adapter	PIT-ARM-WM1E	PIT Series Swing Arm (Wall Mount, 6~12 KG)		

## Innovation, Commitment, and Partnership

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

Certified by ISO 2003 and 13485, Advantech designs and manufactures products with slick quality assurance procedures, making our products widely adepted 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 localized support provided from regional service centers in the US, China, Asia, and Europe, Advantech delivers seamless and efficient services without boundaries.



### Global sales and services

With 28 years of experience, and the combined talent of nearly 3,000 people, Advantech operates an extensive support, sales and marketing network in 22 countries and 64 major cities to deliver fast time-to-market services to our worldwide customers.

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