

# HIT-W221 HIT-W222

## 21.5" Healthcare Infotainment Terminal with Intel® Atom D525/SandyBridge i7 Processors



### Features

- Specialized Design focuses on Healthcare Application
- Slim Design achieves the balance between Fanless & Atom Dual-Core Performance
- Isolated I/O as COM & Lan
- Easy cleaning Touch Panel complies with IP65 protection
- VESA 75/100 mm Standard Mounting Holes
- Programmable Touch Hotkeys
- Rich Options - Handset/ RFID/ Smart card reader/ Barcode Scanner/ MSR
- ITE & Medical Dual Certificate (EN-60950 & EN-60601-1)



### Introduction

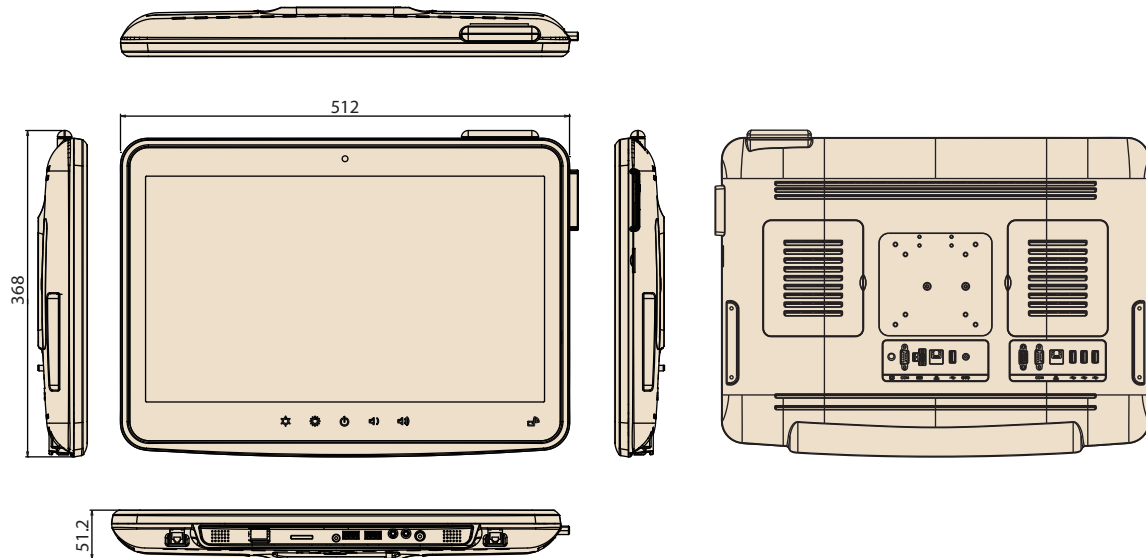
HIT-W221 which equipped a 21.5" multi-function touchscreen, WiFi, RFID, handset, smart card reader and 2 megapixel camera is a member of HIT family of Advantech. HIT-W221 can provide patients with various entertainment programs such as TV, movies or computer games because of Microsoft Windows XPE Embedded and Intel Atom Dual Core processor. Patients can easily communicate with families by internet because 2 megapixel camera, WiFi and Ethernet (RJ-45) connectivity are standard functions of HIT-W221. Identification recognition for both hospital staff and patients is possible with the RFID and smart card reader.

### Specifications

Hardware	CPU	Intel PineView (D525) 1.8 GHz/SandyBridge (i7) 1.5GHz
	System Chipset	Intel D525 + ICH8M/ Intel i7 + Cougar Point
	Memory	up to 4G (Optional)/ up to 16G (optional)
	Storage	CF or SATA HDD interface (Optional)
	Camera	2MP CMOS Module (Optional)
	Bus Expansion	Mini PCIe x 2
Display	Size	21.5" W TFT
	Max Resolution	1366 x 768 (D525); 1920 x 1080 (i7)
	Contrast	5000/1
	ViewAngle	178/178
Touchscreen	Type	Analog Resistive (PCT as option)
	Light Transmission	80%
I/O	Durability	30millions
	USB Port	6 (down X2, Rear X4)
	Smart Card Reader	1
	RFID	1 (Optional)
	Barcode Scanner	1 (Optional)
	Line out	1
	Microphone in	1
	COM Port (Isolated)	2
Audio	VGA Output	1
	Speaker	2 W x 2
Network	Microphone	1
	LAN	10/100/1000 RJ45 X2
Hotkey	WLAN	802.11 b/g/n (Optional)
		5 (Resistive)/9 (PCT)
Emergency Alarm	LED Light Indicator	x 1
Bus Expansion	Mini-PCIe Slot	2 optional slots for WLAN / TV Tuner (Support Video IU)/Second LAN
Software	Operating System	Win 7, XP/ Linux Fedora, Ubuntu, Android (Optional)
Mechanical	Mounting	VESA 75/100mm
	Dimensions ( W x H x D)	512 x 368 x 51.2 mm
	Weight	6.5 kg
Options	MSR	Optional
	Barcode Scanner	Optional (1D/2D)
	TV Tuner	Optional (DVB/T/ATSC)
	Handset	Optional
	Remote Control	Optional (9 Keys)
Power Supply	Swing Arm	Optional
	AC/DC Adapter	
	Input Voltage	100 – 240 V <sub>ac</sub> , 1.1 – 0.45 A @ 47 – 63 Hz
Environment	Output Voltage	IT: 19 V <sub>DC</sub> , 4.74A MAX; Medical : 16 – 20 V <sub>DC</sub> (SET UP 18V), 5.55A MAX
	Operating Temperature	0 – 40° C
	Vibration	1 G
	Shock	10 G
	Certifications	CE, FCC, CCC, CB, ITE UL, EN 60950 & EN 60601-1 approved

## Dimensions

Unit: mm



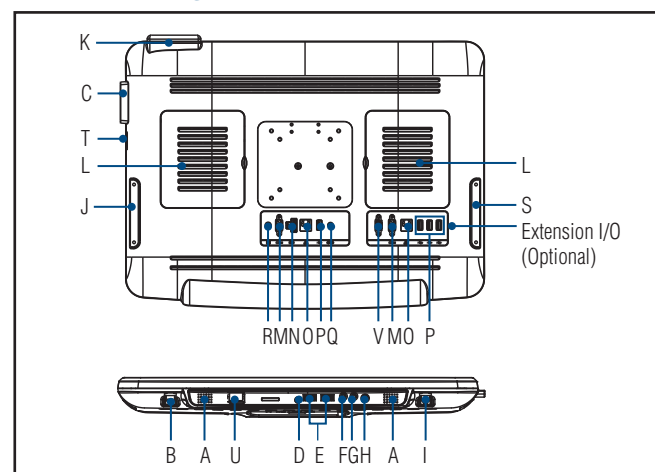
## Ordering Information

Part No.	Description
HIT-W221-AST0E	ATOM D525 CPU (Dual Core), Smart Card Reader, Lan, COM port
HIT-W221-AST1E	HIT-W221-AST0E (D525) + 2G RAM, 250 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W221-AMW1E	HIT-W221-AST0E (D525) + 2G RAM, 250 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter
HIT-W222-AST0E	SandyBridge i7 CPU, Smart Card Reader, Lan, COM port
HIT-W222-AST1E	HIT-W222-AST0E (i7) + 2G RAM, 250 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W222-AMW1E	HIT-W222-AST0E (i7) + 2G RAM, 250 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter

## Accessories

Part Number	Description
HIT-W221-HSK0E	HIT-W221 Handset Kit
HIT-W221-RCK0E	HIT-W221 Remote Control Kit (9 Keys)
HIT-W221-EUT0E	HIT-W221 TV Tuner (EU: DVBT+Analog, Hybrid)
HIT-W221-UST0E	HIT-W221 TV Tuner (US: ATSC+Analog, Hybrid)
HIT-W221-MSR0E	HIT-W221 MSR(Magnetic Card Reader)
PIT-ARM-WMOE	PIT Series Swing Arm (Wall Mount, 1~6 KG)
PIT-ARM-WM1E	PIT Series Swing Arm (Wall Mount, 6~12 KG)

## Fully-Integrated I/O



- |                            |                         |                         |
|----------------------------|-------------------------|-------------------------|
| A. Speaker                 | H. Power Switch         | P. USB 2.0              |
| B. RJ-12 Handset Connector | I. RJ-12 Remote Control | Q. DC-In                |
| C. Smart Card Reader       | J. Remote Control Dock  | R. Reserved port        |
| D. MIC                     | K. Led Indicator        | S. Handset Dock         |
| E. USB 2.0 x 2             | L. Access Door          | T. SD Slot              |
| F. Mic-in                  | M.COM port(isolated)    | U. Barcode Scanner (2D) |
| G. Line Out                | N. 2-Pin connector      | V. VGA Output           |
|                            | O. RJ-45 LAN port       |                         |