

# HIT-W181 HIT-W182

## 18.5" Healthcare Infotainment Terminal with Intel® Atom™ D525 Processors/Core™ i7 Processor



### Features

- Specialized design focuses on Healthcare applications
- Slim design achieves balance between fanless & Atom Dual-core performance
- Isolated I/O for COM and LAN
- Easy to clean touch panel complies with IP65 protection standards
- VESA 75/100 mm standard mounting holes
- Programmable touch hotkeys
- Rich options - Handset/ RFID/ Smart card reader/ Barcode Scanner/ MSR
- ITE & Medical dual certifications (EN-60950 & EN-60601-1)



### Introduction

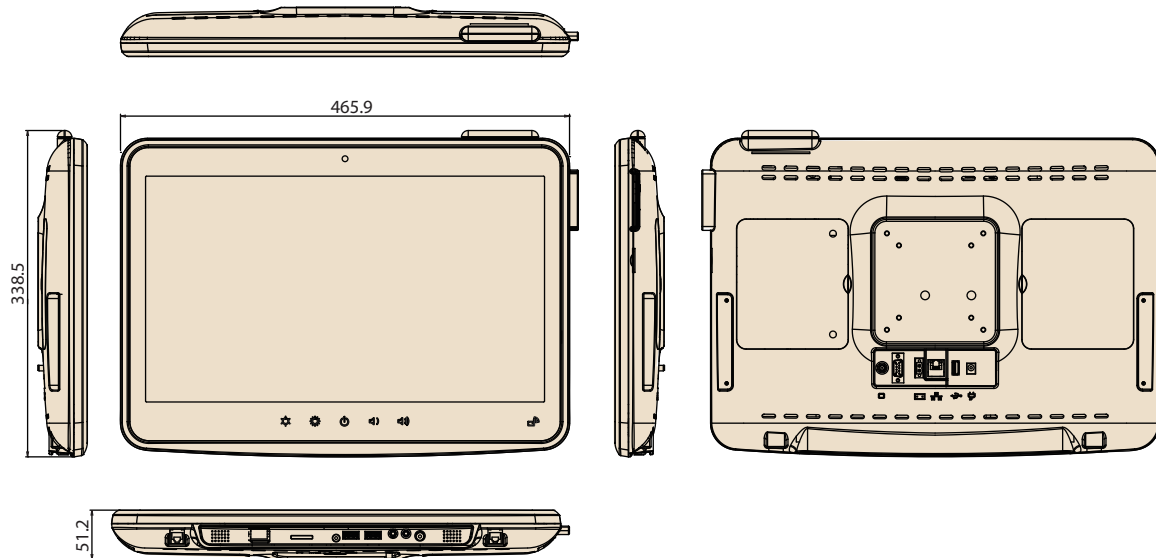
HIT-W181 which is equipped with an 18.5" multi-function touchscreen, WiFi, RFID, handset, smart card reader and 2 megapixel camera is a member of Advantech's HIT family of infotainment terminals. HIT-W181 provides patients with various entertainment programs such as TV, movies or computer games, running an intuitive Microsoft Windows XPE Embedded interface on an Intel Atom Dual Core processor. Patients can easily communicate with families via the internet with its 2 megapixel camera. WiFi and Ethernet (RJ-45) connectivity are standard functions of HIT-W181. Identification recognition for both hospital staff and patients is possible with the RFID and Smart Card reader.

### Specifications

Hardware	CPU	Intel Atom D525 1.8 GHz/ Intel Core i7 1.5 GHz
	Front Side Bus	Supports FSB 800 MHz
	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 CCD Module (Optional)
	Bus Expansion	Mini PCIe x 2
Display	Size	18.5" W TFT
	Max Resolution	1366 x 768
	Luminance	350 cd/m2
	Backlight MTBF	50,000 hrs
Touchscreen	Type	Analog Resistive (PCT as an option)
	Light Transmission	80%
	Durability	30 million touches
I/O	USB Port	3 (down x 2, rear x 1)
	Smart Card Reader	1
	RFID	1 (Optional)
	Barcode Scanner	1 (Optional)
	SD Slot	1
	Line out	1
	Microphone in	1
Audio	COM Port (Isolated)	1
	Speaker	2 W x 2
Network	Microphone	1
	LAN	10/100/1000 RJ-45 x 1
Hotkey	WLAN	802.11 b/g/n (Optional)
	Emergency Alarm	5 / 9
Bus Expansion	LED Light Indicator	x 1
	Mini - PCIe Slot	2 for WLAN / TV Tuner
Software	Operating System	Win 7, XP/ Linux Fedora, Ubuntu (Optional)
	Mechanical	Mounting
Dimensions ( W x H x D)		460 x 328 x 48 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 VAC, 1.1 ~ 0.45 A @ 47~ 63 Hz
Environment	Output Voltage	IT: 19 VDC, 3.95 A MAX; Medical: 16 ~ 21 VDC (SET UP 19V), 2.63 A MAX
	Operating Temperature	0 ~ 40° C
	IP Rating	Front Panel :IP65 ; IPX1 All around
	Vibration	1 G
	Shock	Operation 10G
Certifications	CE, FCC, CCC, CB, ITE UL, EN 60950 & EN 60601-1 approved	

## Dimensions

Unit: mm



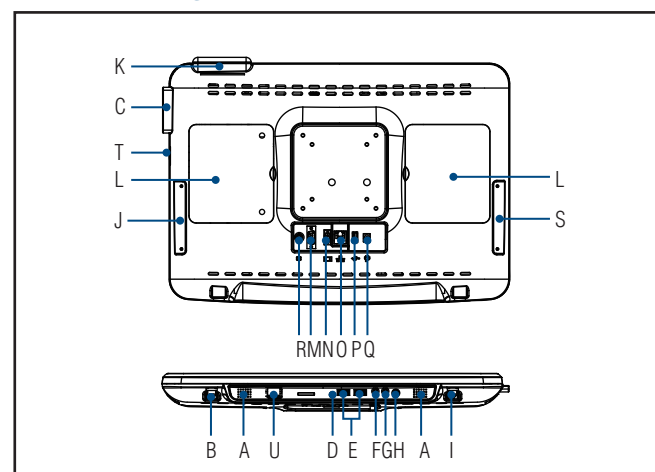
## Ordering Information

Part No.	Description
HIT-W181-AST0E	Atom D525 CPU (Dual Core), Smart Card Reader, Lan, COM port
HIT-W181-AST1E	HIT-W181-AST0E (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W181-AMW1E	HIT-W181-AST0E (D525) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter
HIT-W182-AST0E	i7 CPU, Smart Card Reader, Lan, COM port
HIT-W182-AST1E	HIT-W182-AST0E (i7) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, ITE Adapter
HIT-W182-AMW1E	HIT-W182-AST0E (i7) + 1G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter

## Accessories

Part Number	Description
HIT-W181-HSK0E	HIT-W181 Handset Kit
HIT-W181-RCK0E	HIT-W181 Remote Control Kit (9 Keys)
HIT-W181-EUT0E	HIT-W181 TV Tuner (EU: DVBT+Analog, Hybrid)
HIT-W181-UST0E	HIT-W181 TV Tuner (US: ATSC+Analog, Hybrid)
HIT-W181-MSR0E	HIT-W181 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



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|----------------------------|-------------------------|-------------------------|
| 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. Line Out                | M. COM port(isolated)   | U. Barcode Scanner (2D) |
| G. Mic-in                  | N. 2-Pin connector      |                         |
|                            | O. RJ-45 LAN port       |                         |