

PIT-1702

Healthcare Infotainment Terminal with Intel® Atom™ D525 / Sandy Bridge i7 / Celeron / Core 2 Duo 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
- Rich Options - Handset/ RFID/ Smart card reader
- ITE & Medical Dual Certificate (EN-60950 & EN-60601-1)



Introduction

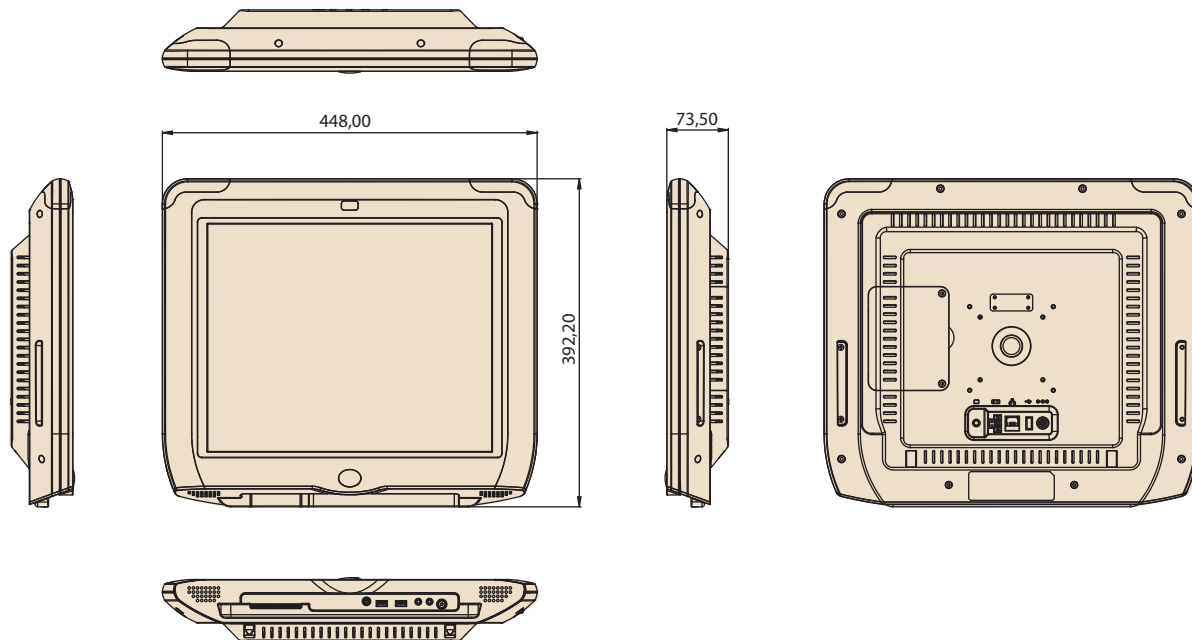
PIT-1702 which equipped a 17" multi-function touchscreen, WiFi, RFID, handset, smart card reader and 2 megapixel camera is a member of PIT family of Advantech. PIT-1702 can provide patients with various entertainment programs such as TV, movies or computer games because of Microsoft Windows XPE Embedded 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 PIT-1702. 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) 1.5 GHz	Intel Celeron M ULV 1.06 GHz/Core 2 Duo 1.06 GHz
	Front Side Bus	Supports FSB 800 MHz	Supports FSB 533/667 MHz
	System Chipset	Intel D525 + ICH8M/Intel i7 + Cougar Point	Intel 945GME
	Memory	up to 4 G (Optional)/up to 16 G (Optional)	1 GB DDRII DRAM
	Storage	CF or SATA HDD interface (Optional)	HDD: 2.5" SATA 160G
	Camera	2MP CCD Module (Optional)	2 megapixel CMOS camera
	Bus Expansion	Mini PCIe x 2	mini-PCI slot x 1 (for WLAN)
Display	Size	17" W TFT	17" TFT color LCD
	Max Resolution	1280 x 1024	1280 x 1024
	Luminance	350 cd/m ²	300 cd/m ²
	Backlight MTBF	50,000 hrs	800:1
Touchscreen	Type	Analog Resistive	Analog Resistive
	Light Transmission	80%	80%
	Durability	30millions	30 million touches
I/O	USB Port	3 (Down x 2, Rear x 1)	3
	Smart Card Reader	1	1
	RFID	1 (Optional)	
	Line out	1	1
	Microphone in	1	1
Audio	Speaker	2 W x 2	1W x 2
	Microphone	1	1
Network	LAN	10/100/1000 RJ45 x 1	10/100 Mbps Ethernet (RJ-45) x 1
	WLAN	802.11 b/g/n (Optional)	802.11 b/g wireless LAN
Emergency Alarm	LED Light Indicator	x 2	2
Bus Expansion	mini-PCIe Slot	2 for WLAN / TV Tuner	1 (for WLAN)
Software	Operating System	Win 7, XP/ Linux Fedora, Ubuntu (Optional)	Embedded XP/ Win7 / Linux Fedora, Ubuntu
Mechanical	Mounting	VESA 75/100mm	VESA 75/100 mm
	Dimensions (W x H x D)	448 x 393 x 73.5 mm (17.64" x 8.31" x 2.89")	448 x 393 x 73.5 mm (17.64" x 8.31" x 2.89")
	Weight	6.5 kg	6.8 kg (14.99 lbs.) / 7.0 kg (15.43 lbs.) with handset
Options	TV Tuner	Optional (DVBT/ATSC)	1 (Analog & DVBT)
	Handset	Optional	1
	Remote Control	Optional (9 Keys)	6 keys
	Swing Arm	Optional	
Power Supply	AC/DC Adapter		
	Input Voltage	100 ~ 240 V _{AC} , 1.1 ~ 0.45 A @ 47~ 63 Hz	100 ~ 240 V _{AC} , 1.1 ~ 0.45 A @ 47~ 63 Hz
	Output Voltage	IT: 19 V _{DC} , 3.95 A MAX; Medical: 16 ~ 21 V _{DC} (SET UP 19V), 2.63 A MAX	+18 V _{DC} , 4.44 A max
Environment	Operating Temperature	0 ~ 40° C	0 ~ 40° C
	IP Rating	Front Panel :IP65 ; IPX1 All around	
	Vibration	1 G	
	Shock	50 G	
	Certifications	CE, FCC, CCC, CB, ITE UL, EN 60950 & EN 60601-1 approved	CE, FCC, CCC, CB, UL, EN 60601-1 approved

Dimensions

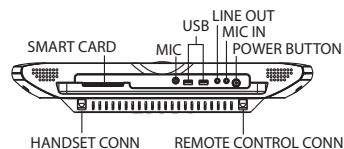
Unit: mm



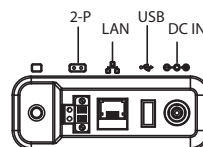
Ordering Information

Part No.	Description
PIT-1702-ASTCE	PIT-1702 (D525) + 1 G RAM, 160 HD, WiFi, RFID, 2 M Camera, XPE, ITE Adapter
PIT-1702-ASTOE	PIT-1702 (D525) + 1 G RAM, 160 HD, WiFi, RFID, 2M Camera, XPE, Medical Adapter
PIT-1702-ISTCE	PIT-1702 (i7) + 1 G RAM, 160 HD, WiFi, RFID, 2 M Camera, XPE, ITE Adapter
PIT-1702-ISTOE	PIT-1702 (i7) + 1 G RAM, 160 HD, WiFi, RFID, 2 M Camera, XPE, Medical Adapter
Celeron M Platform	
PIT-1702-CST0E	17", Intel 945 Celeron M 1.06 G, 1 G SDRAM, 160 G HDD
Core2 Duo Platform	
PIT-1702-UST0E	17", Intel 945 Core2 Duo 1.06 G, 1 G SDRAM, 160 G HDD

Bottom I/O Placement



Rear I/O Placement



Accessories

Part Number	Description
HIT-1702-HSKE	PIT-1702 Handset Kit
HIT-1702-RCKE	PIT-1702 Remote Control Kit (9 Keys)
HIT-1702-VFK1E	PIT-1702 TV Tuner (EU: DVBT+Analog, Hybrid)
HIT-1702-VUK1E	PIT-1702 TV Tuner (US: ATSC+Analog, Hybrid)
PIT-ARM-WMOE	PIT Series Swing Arm (Wall Mount, 1 - 6 KG)
PIT-ARM-WM1E	PIT Series Swing Arm (Wall Mount, 6 - 12 KG)