HIT-R181

New Revolutionary 18.5" Healthcare/ Hospitality Infotainment Terminals

Features

- Industrial design in slim and stylish form factor for healthcare and hospitality applications
- Multiple platforms in low power and fan-less design
- Easy to clean, full-flat front touch panel with IP rating compliant
- Camera cover available to enhance patients' privacy
- VESA 75/100 standard mounting holes
- Programmable touch hotkeys on front panel
- Rich peripherals - Handset/MSR/RFID/WiFi/HDMI-In/Out/TV Tuner/Smart Card Reader
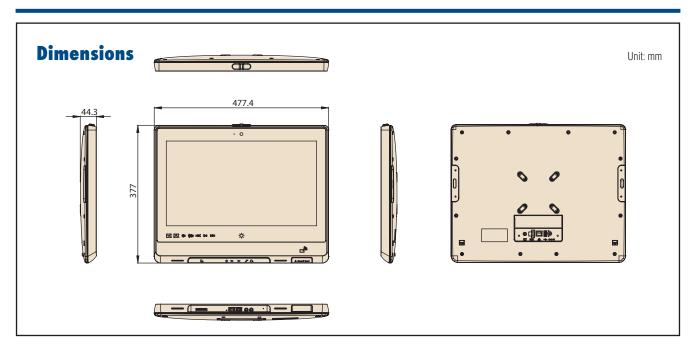- ITE & Medical dual certification (EN-60950 & EN-60601-1)

Introduction

HIT-R181 is a new generation of HIT-Series, featuring a 45mm thin body enclosure, USB 3.0, 5M Pixel Camera, HDMI In/Out, Dual Smart Card and Dual Ethernet. These new features can let hospital effortlessly and economically establish their IT infrastructure. Privacy is always the concern in the clinic environment. With camera cover and optional privacy screen, patient will be satisfied by the quality of service during their stays. The performance of HIT-R181 is amazing which can provide patients various entertainment programs such as TV, movies or computer games. The terminal can run seamlessly with Microsoft Windows Embedded OS on the latest BayTrail Quad Core processor and Linux OS on Freescale iMX6 processor.

Specifications

Hardware	CPU	Intel Celeron QC J1900 2.0GHz Processor
	Memory	DDR3L 2GB/4GB (MAX)
	Primary Storage	500GB 2.5" SATA HDD
	Extend Storage	NA
	Camera	5M CMOS with LED Indicator & Button
	Bus Expansion	Half Mini-PCIe x 1, Full Mini-PCIe x 1
Display	Size	18.5" W TFT LED
	Max Resolution	1366 x 768
	Luminance	250 cd/m²
	Contrast Ratio	1000:1
Touchscreen	Type	Resistive 5 wires (Flat Glass) / Projected Capacitive (Flat Glass)
	Durability	30 million touches
Front Button	Hotkey	Default (1 key): Display On/Off with light indicator Optional (8 keys): Display on/off, Play/pause, forward, reserve, CH+, CH-, Vol+, Vol-
I/O Ports	USB 3.0	1 (Rear)
	USB 2.0	2 (Bottom)
	HDMI Out	1 (Rear)
	SD Slot	NA
	Smart Card Reader	1
	RFID	1
	Headphone out	1
	Microphone in	1
	Handset out	1
	Phoenix Port	1
	DC-in	1
	TV Tuner (SMA Jack)	1
	Power Button	1
Audio	Speaker	2 watt x 2 , Audio output control via GPIO
	Internal Microphone	1
Network	LAN (Isolated)	10/100/1000 RJ-45 x 1
	Bluetooth	BT4.0(Optional)
	WLAN	802.11 a/b/g/n (Optional)
Software	OS	Embedded Linux 3.0, Android 4.x Embedded 7 Standard, 7 Pro, 8 Standard, 8 Pro
Mechanical	Mounting	VESA 75 x 75 & 100 x 100 mm
	Dimensions (W x H x D)	477.4 x 377.0 x 44.3 mm
	Weight	Net Weight: 4.6kg (10.14lb) without adapter Gross Weight: 7kg (15.43lb)
Option	2nd Enthernet (w/o WOL), HDMI In (1080p Capture), or TV Tuner	Optional (Built-in Module)
	2nd Smart Card Reader	Optional (Built-in Module)
	MSR	Optional (Add-On Module)
	Finger Scanner	Optional (Add-On Module)
	Handset	Optional (Add-On Module)
	HDMI-I video capture	Optional (Rear I/O)

Dimensions

Unit: mm

477.4

44.3

377

Specifications (Cont.)

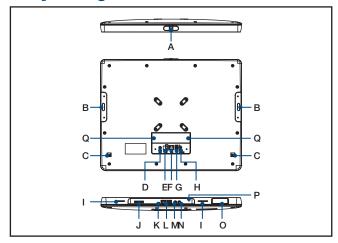|		
Power Supply	AC/DC Adapter	
	Input Voltage	100 ~ 240 V$_{AC}$, 1.1 ~ 0.45 A @ 47~ 63 Hz
	Output Voltage	IT or Medical 12~19 V$_{DC}$, 3.5A
Environment	Operating Temperature	0 ~ 40° C
	IP Rating	IP65 Front Panel
	Vibration	1 G
	Shock	10 G peak acceleration (11 msec, duration)
	EMC & Safety Cert.	CE, FCC, CCC, BSMI, CB, UL ITE & Medical, EN 60950 & 60601-1 approved

Ordering Information

Part Number	Description
HIT-R181BR-AMW1E	18.5" Wide Screen, Intel J1900, Resistive Touch, 4G RAM, 500G HDD, Smart Card Reader, Camera, WiFi, BT, RFID, Medical Adapter, Win8 Embedded Standard
HIT-R181BP-AMW1E	18.5" Wide Screen, Intel J1900, Pcap Touch, 4G RAM, 500G HDD, Smart Card Reader, Camera, WiFi, BT, RFID, Medical Adapter, Win8 Embedded Standard

Accessories

Part Number	Description
HIT-R181-HSK0E	HIT-R181 Handset Kit

Fully- Integrated I/O

A. Camera Cover Button
B. Handset Docking
C. RJ12 Handset Connector
D. TV SMA Jack (Optional)
E. Phoenix Port
F. RJ45
G. USB 3.0 (BayTrail Only)
   USB 2.0 (iMX6)
H. DC-In
I. Speaker

J. SD Slot (iMX6 Only)
K. Power Button
L. USB 2.0 x2 (BayTrail)
   USB 2.0 x1 (iMX6)
M. Mic In
N. Headphone Out
O. Smart Card Reader
P. Internal Mic
Q. HDMI (Optional)