

# 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

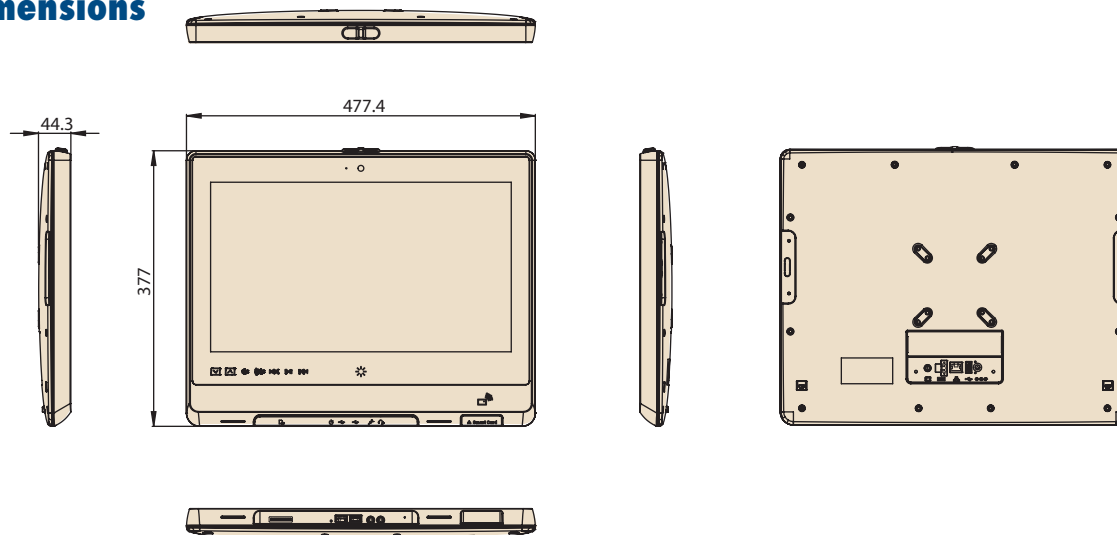
HIT-R181 is a new generation of HIT-Series, featuring a 45mm thin body enclosure, USB 3.0, 5M Pixel Camera, HDMI In/Out, Dual Smart Card and Dual Ethernet. These new features can let hospital effortlessly and economically establish their IT infrastructure. Privacy is always the concern in the clinic 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	Freescale iMX6 QC 1.0 GHz Processor
	Memory	DDR3L 2GB/4GB (MAX)	DDR3 1GB/2GB (MAX)
	Primary Storage	500GB 2.5" SATA HDD	eMMC 8GB
	Extend Storage	NA	2.5" SATA HDD / SDHC
	Camera	5M CMOS with LED Indicator & Button	5M CMOS with LED Indicator & Button
	Bus Expansion	Half Mini-PCIe x 1, Full Mini-PCIe x 1	NA
Display	Size	18.5" W TFT LED	
	Max Resolution	1366 x 768	
	Luminance	250 cd/m <sup>2</sup>	
	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)	NA
	USB 2.0	2 (Bottom)	2 (Rear x 1, Bottom x 1)
	HDMI Out	1 (Rear)	NA
	SD Slot	NA	1 (Bottom)
	Smart Card Reader	1	1
	RFID	1	1
	Headphone out	1	1
	Microphone in	1	1
	Handset out	1	1
	Phoenix Port	1	1
	DC-in	1	1
TV Tuner (SMA Jack)	1	1	
Power Button	1	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	Embedded Linux 3.0, Android 4.x
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 Ethernet (w/o WOL), HDMI In (1080p Capture), or TV Tuner	Optional (Built-in Module)	NA
	2nd Smart Card Reader	Optional (Built-in Module)	NA
	MSR	Optional (Add-On Module)	NA
	Finger Scanner	Optional (Add-On Module)	NA
	Handset	Optional (Add-On Module)	Optional
	HDMI-I video capture	Optional (Rear I/O)	NA

## Dimensions

Unit: mm



## Specifications (Cont.)

Power Supply	AC/DC Adapter	
	Input Voltage	100 ~ 240 V <sub>AC</sub> , 1.1 ~ 0.45 A @ 47~ 63 Hz
	Output Voltage	IT or Medical 12~19 V <sub>DC</sub> , 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

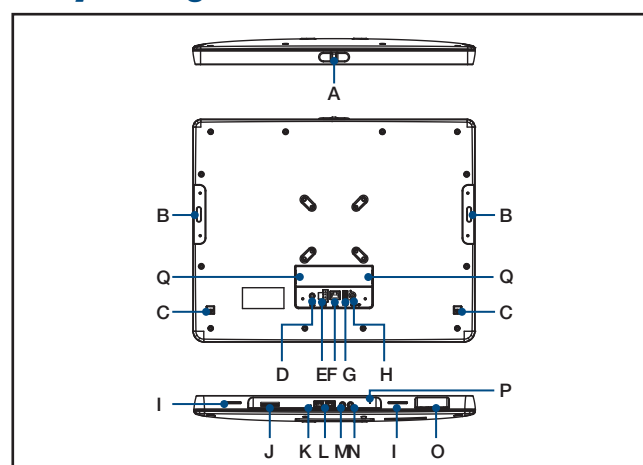
## Ordering Information

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
HIT-R181FR-AMW1E	18.5" Wide Screen, Freescale iMX6, Resistive Touch, 1G RAM, 8G eMMC, Smart Card Reader, Camera, WiFi, RFID, Medical Adapter
HIT-R181FP-AMW1E	18.5" Wide Screen, Freescale iMX6, PCap Touch, 1G RAM, 8G eMMC, Smart Card Reader, Camera, WiFi, RFID, Medical Adapter

## Accessories

Part Number	Description
HIT-R181-HSK0E	HIT-R181 Handset Kit
HIT-ARM-WM0E	Swing Arm (Wall Mount Type, Maximum Loading: 6kg)
HIT-ARM-CM0E	Swing Arm (Ceiling Mount Type, Maximum Loading: 6kg)

## 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)