

# 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

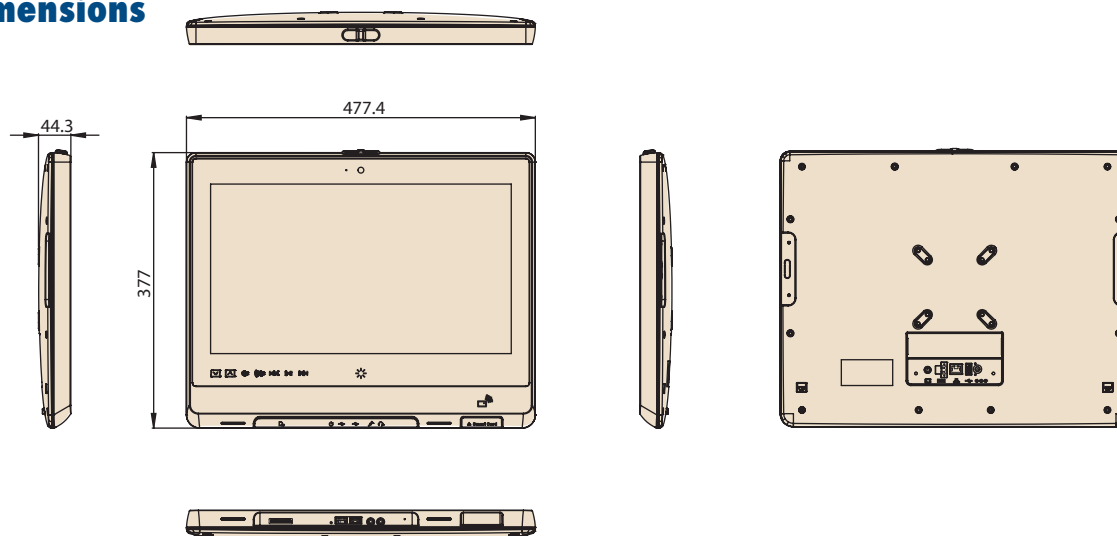
HIT-R181 is a new generation of HIT-Series, featuring a 45mm thin body enclosure, USB 3.0, 5M Pixel Camera, HDMI In/Out, Dual Smart Card and Dual Ethernet. These new features can let hospital effortlessly and economically establish their IT infrastructure. Privacy is always the concern in the clinic 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/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<br>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                                                                                                                                             |
| Audio        | Power Button                                                       | 1                                                                                                                                             |
|              | 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<br>Embedded 7 Standard, 7 Pro, 8 Standard, 8 Pro                                                              |
|              | Mounting                                                           | VESA 75 x 75 & 100 x 100 mm                                                                                                                   |
| Mechanical   | Dimensions ( W x H x D )                                           | 477.4 x 377.0 x 44.3 mm                                                                                                                       |
|              | Weight                                                             | Net Weight: 4.6kg (10.14lb) without adapter<br>Gross Weight: 7kg (15.43lb)                                                                    |
| Option       | 2nd Ethernet (w/o WOL),<br>HDMI In (1080p Capture),<br>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



## 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 |

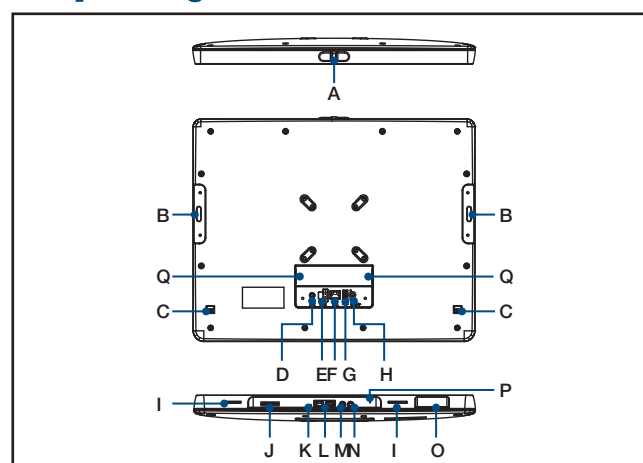
## Ordering Information

| 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      |

## Accessories

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

## Fully- Integrated I/O



- |                            |                          |
|----------------------------|--------------------------|
| A. Camera Cover Button     | J. SD Slot (iMX6 Only)   |
| B. Handset Docking         | K. Power Button          |
| C. RJ12 Handset Connector  | L. USB 2.0 x2 (BayTrail) |
| D. TV SMA Jack (Optional)  | USB 2.0 x1 (iMX6)        |
| E. Phoenix Port            | M. Mic In                |
| F. RJ45                    | N. Headphone Out         |
| G. USB 3.0 (BayTrail Only) | O. Smart Card Reader     |
| USB 2.0 (iMX6)             | P. Internal Mic          |
| H. DC-In                   | Q. HDMI (Optional)       |
| I. Speaker                 |                          |



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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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