

# HIT-507

## 7" Healthcare Information Terminal



### Features

- 7" display with 10-point P-CAP touch control
- Two assembly configurations: 75x75mm VESA mounting or open frame installation
- Intel® Apollo Lake CPU
- Supports M.2 2230 WiFi, BT modules, and M.2 2242 SSDs
- Integrated handset with noise cancellation and dedicated audio codec
- Wide range of peripheral options (5M camera, HID RFID, NFC, Smart Card Reader, and PoE module)
- Supports triple operating systems: Windows 10 IoT (64 bit), Android 8.1, and Linux
- ITE certification (Medical by project)

### Introduction

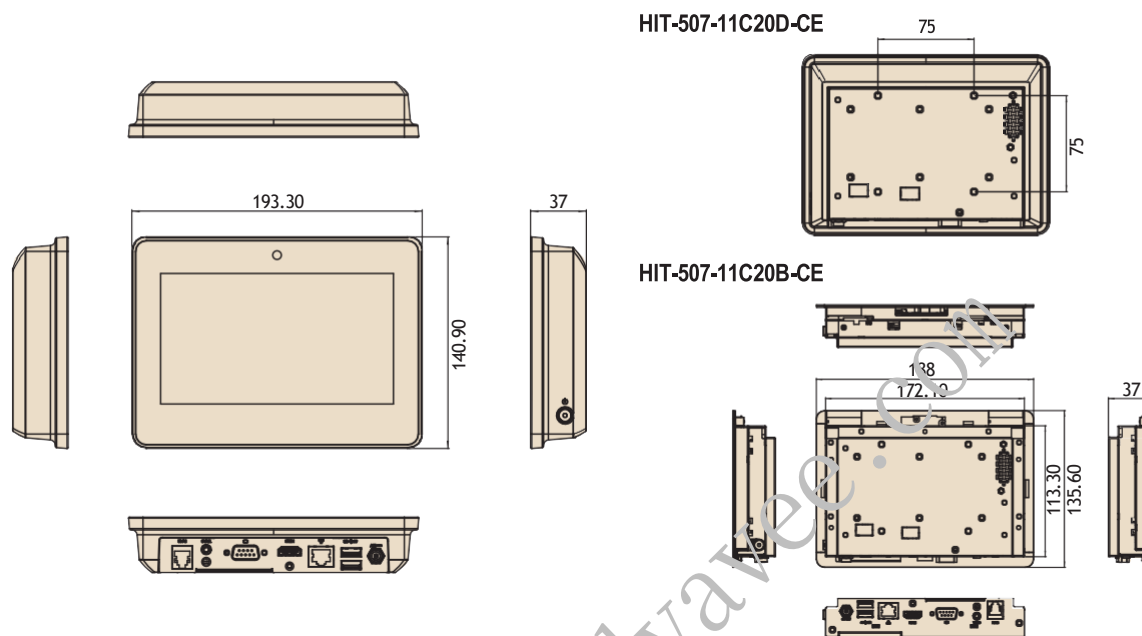
HIT-507 – a 7" medical-grade healthcare information terminal that supports PCAP 10-point touch control, is ideal for human machine interface (HMI). To optimize the utilization of control panels for sophisticated medical equipment, the HIT-507 offers rich I/O ports and peripheral options to satisfy diverse needs. This eliminates the need to install extra modules during manufacturing. With capability to support triple operating systems, Windows 10 IoT (64 bit), Android 8.1, and Linux, the HIT-507 can be easily integrated into existing information systems.

### Specifications

|              |                        |                                                            |
|--------------|------------------------|------------------------------------------------------------|
| Hardware     | CPU                    | Intel® Apollo Lake J3455 / N3350 (2M Cache, up to 2.3 GHz) |
|              | Memory                 | DDR3L x 1, up to 8GB (Default 4GB)                         |
|              | Primary Storage        | M.2 2242 SSD (Default 64GB)                                |
|              | Camera                 | 5MP CMOS                                                   |
| Display      | Size                   | 7" W TFT LED                                               |
|              | Max Resolution         | 1024 x 600                                                 |
|              | Luminance              | 400 cd/m <sup>2</sup>                                      |
|              | Contrast Ratio         | 800:1                                                      |
| Touchscreen  | Type                   | Projected Capacitive                                       |
| I/O Ports    | USB 3.0                | 2                                                          |
|              | HDMI                   | 1                                                          |
|              | DC-in lockable         | 1                                                          |
|              | Audio Jack (TRRS)      | 1                                                          |
|              | Handset Out (RJ11)     | 1                                                          |
|              | Com-port               | 1                                                          |
| Audio        | Speaker                | 2 Watt x 1                                                 |
|              | Internal Microphone    | 1 (via TRRS)                                               |
| Network      | LAN (Isolated)         | RJ45 (10/100/1000 Mbit) x 1                                |
|              | Bluetooth              | BT 4.1 (Optional)                                          |
|              | WLAN                   | 802.11 a/b/g/n/ac (Optional)                               |
| Software     | OS                     | Win 10 IoT 64bit / Android 8.1 / Linux                     |
| Mechanical   | Mounting               | VESA 75 x 75 mm                                            |
|              | Dimensions (W x H x D) | 193.3 x 140.9 x 37 mm                                      |
|              | Weight                 | Net Weight (w/o adapter): 2.2lb, 1kg<br>Weight: 1.2 kg     |
|              | Camera                 | Optional (Embedded module)                                 |
| Optional     | 2nd Smart Card Reader  | Optional (Add-on Module)                                   |
|              | Handset                | Optional (Add-on Module)                                   |
|              | Barcode Scanner        | Optional (Add-on Module)                                   |
|              | Smart Card Reader      | Optional (Add-on Module)                                   |
|              | RFID/NFC               | Optional (Embedded module)                                 |
|              | PoE                    | Optional                                                   |
|              | AC/DC Adapter          | IT or Medical Grade                                        |
| Power Supply | Input Voltage          | 100 ~ 240V <sub>AC</sub> , 1.1 ~ 0.45A @ 41 ~ 63Hz         |
|              | Output Voltage         | ITE or Medical 12 V <sub>DC</sub> , 3.42A                  |
|              | Operating Temperature  | 0 ~ 40 °C                                                  |
| Environment  | Vibration              | 1G                                                         |
|              | Shock                  | 10G Peak Acceleration (11ms duration)                      |
|              | EMC & Safety Cert.     | CE, FCC, CCC, CB, UL ITE (Medical by project)              |

## Dimensions

Unit: mm



## Ordering Information

| Part Number       | Description                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------|
| HIT-507-11C20B-CE | 7" display, Intel AppoloLake J3455, PCAP Touch, 4G RAM, 64GB SSD, ITE Adapter, open frame                              |
| HIT-507-11C20D-CE | 7" display, Intel AppoloLake J3455, PCAP Touch, 4G RAM, 64GB SSD, Web Camera, WiFi/BT, ITE Adapter, Win10 IoT Embedded |

## Accessories

| Part Number | Description          |
|-------------|----------------------|
| 1700001524  | Power cord USA 1.83M |
| 170203180A  | Power cord UK 1.83M  |
| 170203183C  | Power cord EU 1.83M  |

## Fully-Integrated I/O

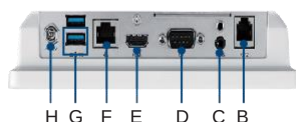
Front View



Rear View



I/O



- A. Speaker
- B. RJ-12
- C. Audio jack (TRRS)
- D. Com-port
- E. HDMI
- F. RJ-45 LAN
- G. USB 3.0
- H. DC jack

Optional w/ Peripherals

- Camera
- RFID/NFC
- Handset
- Smart Card Reader
- 2nd Smart Card Reader
- Barcode Scanner