

# HIT-W153

## Innovative 15.6" Healthcare/Hospitality Information Terminal



### Features

- Innovative and ultra-slim design for healthcare and hospitality applications
- All-in-one computer with Intel® Apollo Lake N4200 CPU
- Supports M.2 2230 WiFi / BT modules and M.2 2242 SSDs
- Supports RFID/NFC/Web Camera/Smart Card Reader
- Dual isolated Ethernet – Internet (for patients) and intranet (for hospitals) network traffic management and data security
- Supports nurse call button & LED indicator
- Rich optional peripherals – Handset / TV Tuner (SMA Jack)/2nd Smart Card Reader, Barcode Scanner/PoE, RFID+HID
- ITE IEC 62368 certification and compliance with IEC 62368, provide complete application coverage
- Supports dual OS-Win 10 IoT 64 bit/Android 6.0.1



### Introduction

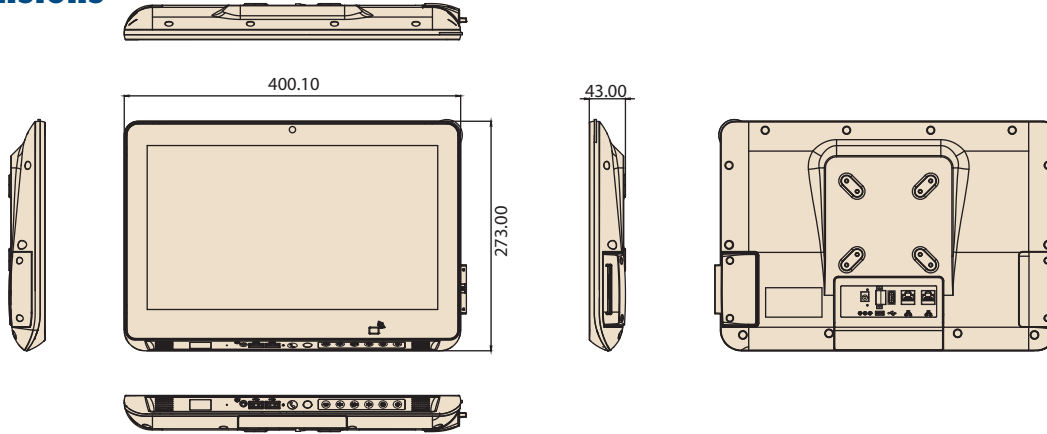
HIT-W153 is an innovative product in the HIT-series, featuring a 43mm thin body enclosure, USB 3.0, 5 megapixel camera, and dual isolated Ethernet, which lets hospitals separate and manage internal and external network traffic. The HIT-W153 also features a dedicated audio codec for our background noise-canceling handset to guarantee the best audio quality for calls to nurse stations. The available nurse call button and the LED indicator can be easily linked to existing nurse call systems in hospitals, and can be operated independently, even when the system is off. HIT-W153 is ideal for applications in hospitals, such as bedside information terminals, IP nurse call stations, and treatment centers. It can also be used as an HMI interface for medical equipment.

### Specifications

|              |                                         |                                                    |
|--------------|-----------------------------------------|----------------------------------------------------|
| Hardware     | CPU                                     | Intel® Apollo Lake N4200 (2M Cache, up to 2.5 GHz) |
|              | Memory                                  | DDR3L x 1, up to 8GB (Default 4GB)                 |
|              | Primary Storage                         | M.2 2242 SSD (Default 64GB)                        |
|              | Camera                                  | 5MP CMOS                                           |
|              | Bus Expansion                           | Full Mini-PCIe x 1                                 |
| Display      | Size                                    | 15.6" W TFT LED                                    |
|              | Max Resolution                          | 1920 x 1080                                        |
|              | Luminance                               | 425 cd/m <sup>2</sup>                              |
|              | Contrast Ratio                          | 800:1                                              |
| Touchscreen  | Type                                    | Projected Capacitive                               |
| Front Button | Hotkey                                  | Screen on/off                                      |
|              |                                         | Volume up                                          |
|              |                                         | Volume down                                        |
|              |                                         | Brightness up                                      |
|              |                                         | Brightness down                                    |
| I/O Ports    | USB 3.0                                 | 1 (Rear)                                           |
|              | USB 2.0                                 | 2                                                  |
|              | Smart Card Reader                       | 1 (Default), Optional 2nd reader                   |
|              | RFID/NFC                                | 1                                                  |
|              | Audio Jack (TRRS)                       | 1                                                  |
|              | Handset Out(RJ12)-Hide in the left side | 1                                                  |
|              | Nurse Call Phoenix Port (4-pin)         | 1                                                  |
|              | DC-in                                   | 1                                                  |
|              | Nurse Call Bottom                       | 1                                                  |
| Audio        | Speaker                                 | 3 Watt x 2                                         |
|              | Internal Microphone                     | 1                                                  |
| Network      | LAN (Isolated)                          | Isolated RJ45 (10/100/1000 Mbit) x 2               |
|              | Bluetooth                               | BT 4.1 (Default Module)                            |
|              | WLAN                                    | 802.11 a/b/g/n/ac (Default Module)                 |
| Software     | OS                                      | Win 10 IoT 64bit, Android 6.0.1                    |
| Mechanical   | Mounting                                | VESA 75 x 75 mm & 100 x 100 mm                     |
|              | Dimensions ( W x H x D )                | 400.1 x 273 x 43 mm (15.8" x 10.7" x 1.7")         |
|              | Weight                                  | Net Weight (w/o adapter): 7.05 lb, 3.2 kgs         |
|              |                                         | Gross Weight: 10.36 lb, 4.7 kgs                    |
| Option       | TV Tuner (SMA Jack)                     | Optional (Built-in Module)                         |
|              | 2nd Smart Card Reader                   | Optional (Built-in Module)                         |
|              | Handset                                 | Optional (Add-on Module)                           |
|              | Barcode Scanner                         | Optional (Bottom)                                  |
|              | PoE                                     | Optional                                           |
| Power Supply | AC/DC Adapter                           |                                                    |
|              | Input Voltage                           | 100 – 240V <sub>ac</sub> , 1.1 – 0.45A @ 47 – 63Hz |
|              | Output Voltage                          | IT/Medical 18 V <sub>DC</sub> , 3.42A              |

## Dimensions

Unit: mm



## Specifications (Cont.)

|             |                       |                                                                      |
|-------------|-----------------------|----------------------------------------------------------------------|
| Environment | Operating Temperature | 0 – 40°C                                                             |
|             | Vibration             | 1G                                                                   |
|             | Shock                 | 10G Peak Acceleration (11ms duration)                                |
|             | EMC & Safety Cert.    | CE, FCC, CCC, CB, BSMI, UL ITE IEC 62368 compliance with IEC 60601-1 |

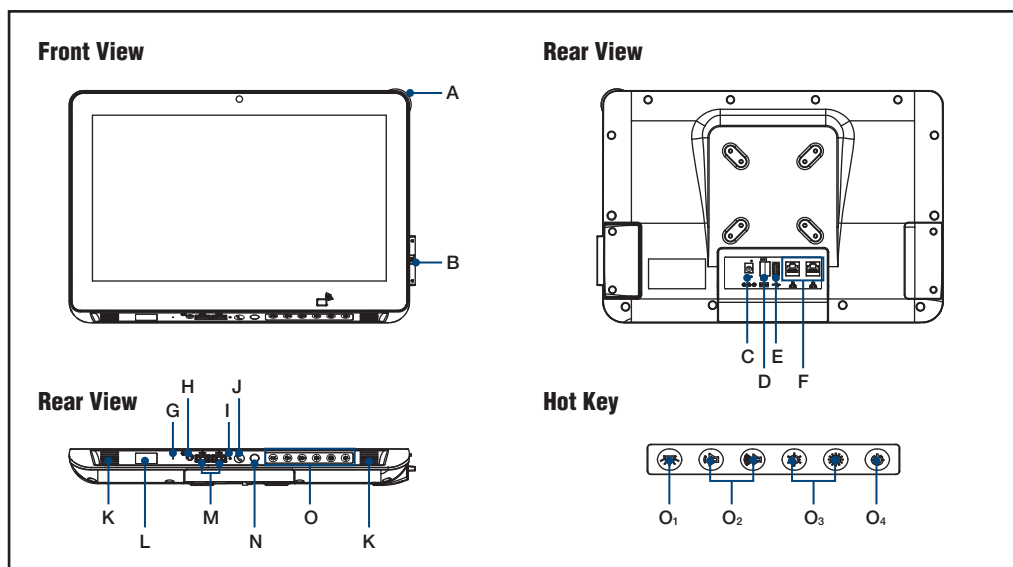
## Ordering Information

| Part Number      | Description                                                                                                                                            |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| HIT-W153AP-AMW1E | 15.6" Wide Screen, Intel Celeron N4200, PCAP Touch, 4G RAM, 64G SSD, Web Camera, Smart Card Reader, WiFi/BT, RFID, Medical Adapter, Win10 IoT Embedded |
| HIT-W153AP-ATW1E | 15.6" Wide Screen, Intel Celeron N4200, PCAP Touch, 4G RAM, 64G SSD, Web Camera, Smart Card Reader, WiFi/BT, RFID, ITE Adapter, Win10 IoT Embedded     |
| HIT-W153AP-APW1E | 15.6" Wide Screen, Intel Celeron N4200, PCAP Touch, 4G RAM, 64G SSD, Web Camera, Smart Card Reader, WiFi/BT, RFID, PoE, Win10 IoT Embedded             |

## Accessories

| Part Number        | Description                                 |
|--------------------|---------------------------------------------|
| HIT-W183-HSK0E     | HIT-W183 & HIT-W153 Handset Kit             |
| 1700001524         | Power cord USA 1.83M (for ITE)              |
| 170203180A         | Power cord UK 1.83M (for ITE)               |
| 170203183C         | Power cord EU 1.83M (for ITE)               |
| 1702002600         | Power Cable USA 1.8 M (for Medical)         |
| 1702002605         | Power Cable EU 1.8 M (for Medical)          |
| 1700018704         | Power Cord UK 1.8 M (for Medical)           |
| HIT-STD-W001-C     | HIT Stand for small size up to 15.6", white |
| PDC-W215-STAND-H3E | PDC-W215 STAND_H3-741L type_6-12kg BLACK    |

## Fully- Integrated I/O



- A. Alarm lens
- B. Smart card reader
- C. DC jack
- D. Digital I/O Phoenix port (4 pin)
- E. USB 3.0
- F. Isolated RJ-45 LAN
- G. Mic
- H. Audio jack (TRRS)
- I. Reset button
- J. Nurse call button
- K. Speaker
- L. Barcode scanner (optional)
- M. USB 2.0
- N. Reading Light
- O. Hot key
- O<sub>1</sub>. Reading light on/off
- O<sub>2</sub>. Volume up/down
- O<sub>3</sub>. Brightness up/down
- O<sub>4</sub>. Screen on/off



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- 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.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- 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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