

# PIT-1501W

## Patient Infotainment Terminal



### Features

- Intel® Atom™ 1.6 GHz
- Fanless
- 15.6" TFT-LCD with touchscreen
- Built-in 1.3 megapixel CMOS camera
- Built-in Mic, speaker & head-set support
- Equipped with RFID/WiFi/Smart Card Reader
- Built-in emergency key & 2 x indicators
- Multiple input supports: RJ-45, USB x 2
- Windows XP Embedded architecture
- EN60601-1 certification approved
- IP65 (front) and IPX1
- Rich options
- \*TV tuner (analog & DVBT)
- \*Handset
- \*Wired remote controller (6 keys)

Notes: \*optional items



### Introduction

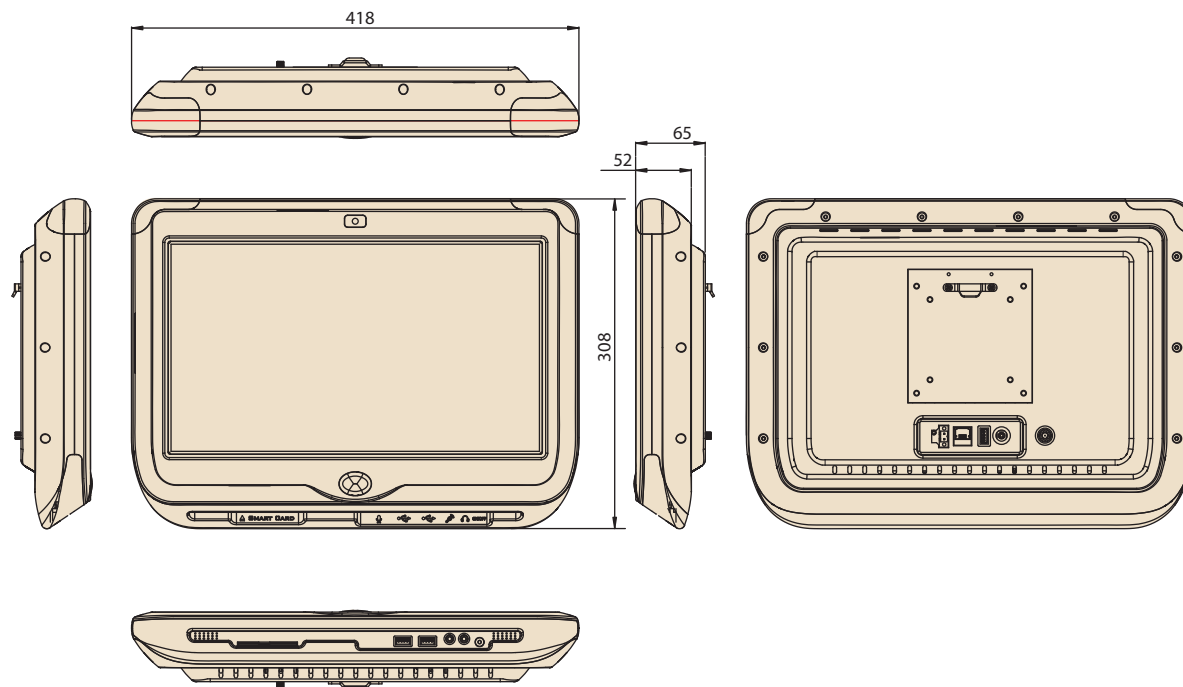
PIT-1501W which equipped a 15.6" multi-function touchscreen, WiFi, RFID, handset, smart card reader and 1.3 megapixel camera is a member of PIT family of Advantech. PIT-1501W can provide patients with various entertainment programs such as TV, movies or computer games because of Microsoft Windows XPE Embedded and Intel Atom 1.1GHz/1.6GHz processor. Patients can easily communicate with families by internet because 1.3 megapixel camera, WiFi and Ethernet (RJ-45) connectivity are standard functions of PIT-1501W. Identification recognition for both hospital staff and patients is possible with the RFID and smart card reader. The standard I/O ports of PIT-1501W such as USB ports, earphone and microphone jack can generate more flexibility for various extensions. Additionally, important incidents can be noticed immediately because of LED light indicators and nurse call button.

### Specifications

|                 |                          |                                                  |
|-----------------|--------------------------|--------------------------------------------------|
| Hardware        | CPU                      | Intel Atom 1.6 GHz                               |
|                 | Front Side Bus           | Support FSB 400/533 MHz                          |
|                 | System Chipset           | Intel US15W Poulsbo                              |
|                 | Memory                   | 1 GB DDRII DRAM, up to 2G                        |
|                 | Storage                  | HDD: 2.5" SATA 80G                               |
|                 | Camera                   | 1.3 megapixel CMOS camera                        |
| Display         | Bus Expansion            | mini-PCle x 1(for WLAN)                          |
|                 | Size                     | 15.6" TFT color LCD                              |
|                 | Max Resolution           | 1366 X 768                                       |
|                 | Luminance                | 250 cd/m <sup>2</sup>                            |
| Touchscreen     | Contrast Ratio           | 500:1                                            |
|                 | Type                     | Analog Resistive                                 |
|                 | Light Transmission       | 75%                                              |
| I/O Ports       | Durability               | 30 million touches                               |
|                 | USB Port                 | 3                                                |
|                 | Smart Card Reader        | 1                                                |
|                 | Line out                 | 1                                                |
| Audio           | Microphone in            | 1                                                |
|                 | Speaker                  | 1W x 2                                           |
| Network         | Internal Microphone      | 1                                                |
|                 | LAN                      | 10/100 Mbps Ethernet (RJ-45) x 1                 |
| Emergency Alarm | WLAN                     | 802.11 b/g/n wireless LAN                        |
|                 | Hotkey                   | 1                                                |
| Bus Expansion   | LED Light Indicator      | 2                                                |
|                 | mini-PCIE slot           | 1 (for WLAN)                                     |
| Mechanical      | Software                 | Operating System Embedded XP                     |
|                 | Mounting                 | VESA 75/100 mm                                   |
|                 | Dimensions ( W x H x D ) | 416 X 308 X 65 mm(16.38" x 12.13" x 2.56")       |
| Options         | Weight                   | 4.0kg (8.82lbs) / 4.48 kg (9.88lbs) with handset |
|                 | TV Tuner                 | 1 (Analog & DVBT)                                |
|                 | Handset                  | 1                                                |
|                 | Remote Controller        | 6 keys                                           |

## Dimensions

Unit: mm



## Specifications

|              |                       |                                                      |
|--------------|-----------------------|------------------------------------------------------|
| Power Supply | AC/DC Adapter         |                                                      |
|              | Input Voltage         | 100 ~ 240 V <sub>AC</sub> , 1.1 ~ 0.45 A @ 47~ 63 Hz |
|              | Output Voltage        | +18 V <sub>DC</sub> , 4.44 A max                     |
| Environment  | Operating Temperature | 0 ~ 40° C                                            |
|              | Certifications        | CE, FCC, CCC, CB, UL, EN 60601-1 approved            |

## Ordering Information

| Part Number         | Description                                    |
|---------------------|------------------------------------------------|
| <b>Atom 1.6 GHz</b> |                                                |
| PIT-1501W-ASTOE     | 15.6" (16:9) LCD, Intel Atom 1.6 GHz, 1G SDRAM |

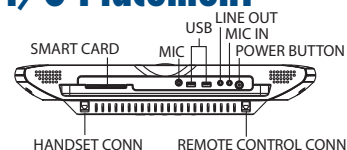
## Packing List

| Description         | Quantity |
|---------------------|----------|
| CD Utility          | 1        |
| AC/DC Power Adapter | 1        |
| User Manual         | 1        |

## Accessories

| Part Number    | Description                             |
|----------------|-----------------------------------------|
| PIT-1501W-HSKE | PIT-1501W Handset Kit                   |
| PIT-1501W-RCKE | PIT-1501W Remote Control Kit            |
| PIT-1501W-VFKE | PIT-1501W TV Tuner (EU type)            |
| PIT-1501W-VUKE | PIT-1501W TV Tuner (US type: ATSC/NTSC) |

## Bottom I/O Placement



## Rear I/O placement

