



## Key Features

- Intel Skylake i7/i5/i3/Pentium Medical Panel PC
- 19" 1280x1024 LED Panel
- Highest level of medical safety protection  
EMC 4.0/ Safety 3.1 certification ready
- Anti-bacteria (MRSA) plastic housing
- Friendly design of hot-key function
- Support Intel vPro technology by CPU
- Optional PCI-E x16 expansion slot
- Optional 4KV LAN/COM/USB isolated I/O
- Optional built-in battery pack



Skylake

Isolation

Expansion

## Main System

|                |                                                                                  |
|----------------|----------------------------------------------------------------------------------|
| <b>CPU</b>     | LGA1151 package 6th generation Intel® Core i7/i5/i3/Pentium processor (35W max.) |
| <b>Chipset</b> | Intel® Q170 Chipset (Intel® GL82Q170 PCH)                                        |
| <b>VGA</b>     | Intel® integrated HD Graphics 530                                                |
| <b>Memory</b>  | Two 2133 MHz DDR4 SODIMM socket support dual Channel, non-ECC, up to 32GB        |
| <b>Speaker</b> | 2 W x 2                                                                          |

## LCD Panel

|                      |                                    |
|----------------------|------------------------------------|
| <b>Size</b>          | 19" 5:4                            |
| <b>Resolution</b>    | SXGA 1280 x 1024                   |
| <b>Color numbers</b> | 16.7M colors (RGB 6-bit + Hi FRC ) |
| <b>Viewing angle</b> | 170 (H) / 160 (V)                  |
| <b>Contrast</b>      | 1000:1 (Typ)                       |
| <b>Brightness</b>    | 350 nits                           |

## Touch Panel

|                           |                                             |
|---------------------------|---------------------------------------------|
| <b>Type</b>               | Full flat projective capacitive touch panel |
| <b>Light transmission</b> | 90% ± 3%                                    |
| <b>Hardness</b>           | 7H pencil, pressure 750g/45°                |
| <b>Life time</b>          | 100M times                                  |

\* OS support (Multi point) Win 7 pro, Win 8, Win 8.1 industrial, Win 10

## Storage &amp; Expansion

|                       |                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HDD</b>            | 2.5" SATA HDD drive bay x 1 ,                                                                                                                                                         |
| <b>Expansion slot</b> | • PCI-E x 16 expansion slot x 1<br>(60W max, can't co-exist with isolated module)<br>[(100mm (W) x 220mm (D) x 14mm (H))<br><br>• Mini PCIe x 2 (One half and one full support mSATA) |

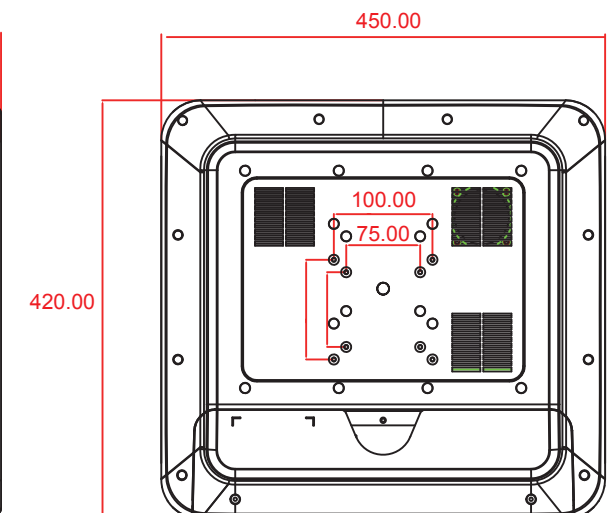
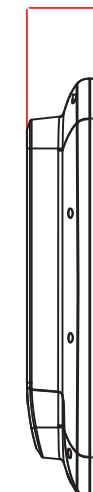
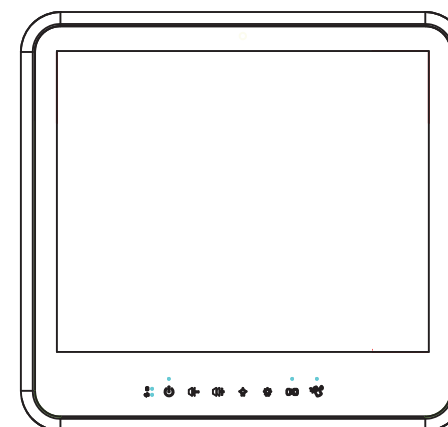
## I/O &amp; Power &amp; Control Keys

|                          |                                                                               |
|--------------------------|-------------------------------------------------------------------------------|
| <b>USB</b>               | USB 3.0 x 4                                                                   |
| <b>COM</b>               | RS232 x 1, RS232/422/485 x 1<br>(RS-485 auto flow support, Jumpsless by BIOS) |
| <b>LAN</b>               | RJ-45 x 2, Gigabit                                                            |
| <b>Video-out</b>         | DP x 1 + DVI x 1                                                              |
| <b>Audio</b>             | Line-out, Microphone-in (3.5 mm phone-jack)                                   |
| <b>Power input</b>       | DC-in x 1, DC 7~32V input<br>(9V~28V with battery pack)                       |
| <b>Power adaptor</b>     | AC input 90 ~ 264V / 47~63 Hz / DC output 24V,<br>180W                        |
| <b>Power consumption</b> | 104.01 W ( MAX. loading without adaptor )                                     |
| <b>Control keys</b>      | Power on/off, Brightness, Audio volume,<br>Backlight on/off, Clean me         |

## Mechanical &amp; Environmental

|                     |                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Housing</b>      | • Front: Full flat design / Touch (standard),<br>• Rear: Plastic + I/O cover w/ antibacterial treatment<br>• Anti-bacteria (MRSA) |
| <b>Cooling</b>      | Variable speed smart fan design, < 30 dB (typical)                                                                                |
| <b>IP rating</b>    | IP65 – front side                                                                                                                 |
| <b>Dimension</b>    | 450 x 420 x 85.3 mm (W x H x D, w/o stand)                                                                                        |
| <b>Weight (net)</b> | 7.5 Kg (approximate, w/o power adaptor)                                                                                           |
| <b>Temperature</b>  | Operating : 0°C~40°C (chamber)<br>Storage : -20°C~60°C                                                                            |
| <b>Humidity</b>     | Operating & storage – 10%~90%,<br>non-condensing                                                                                  |
| <b>Regulatory</b>   | • FCC/CE/VCCI Class B<br>• cULus Mark/UL60601-1<br>• EN60601-1 approved / ISO 14971 / IEC-62133<br>• Energy star 6.1 compliance   |

## Outline Drawing

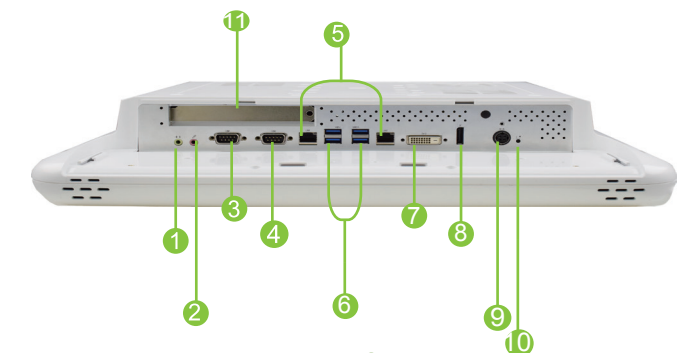


## Options

|                                                       |
|-------------------------------------------------------|
| Power plug holder                                     |
| Wireless or Wireless + BT kit                         |
| 3.2M pixel webcam module (USB)                        |
| Battery pack (100W max.) Support add-on card 18W max. |
| PCI-E x 16 riser card                                 |
| Equipotential terminal pin                            |
| WMP series stand, VESA 75/100                         |
| AG film                                               |
| mSATA module                                          |
| Power adaptor w/ 2.4m or 3.6m DC cable                |
| TPM v1.2 module                                       |
| RFID (13.56Hz)                                        |

## Customization

|                                                                                     |
|-------------------------------------------------------------------------------------|
| USB 5,6 or COM 3, 4                                                                 |
| DICOM module                                                                        |
| PCI riser card (BIOS change under Win 10)                                           |
| 4KV Isolation Card x 1<br>(Isolation COM x 2, Isolation LAN x 1, Isolation USB x 1) |



- |                 |                         |
|-----------------|-------------------------|
| ① Line-out      | ⑦ DVI-D                 |
| ② Microphone-in | ⑧ DP x 1                |
| ③ RS232/422/485 | ⑨ DC-in                 |
| ④ RS232         | ⑩ Reset                 |
| ⑤ LAN x 2       | ⑪ PCI-E [x16] expansion |
| ⑥ USB3.0 x 4    |                         |



P-cap multi-touch

## Ordering Information

|              |         |                                                          |
|--------------|---------|----------------------------------------------------------|
| WMP-19F (i5) | 19" FAN | i5-6500TE / DDR4 4G RAM /500G HDD/ Full flat P.cap touch |
| WMP-19F (i7) | 19" FAN | i7-6700TE / DDR4 4G RAM /500G HDD/ Full flat P.cap touch |