

Key Features



- Intel Skylake i7/i5/i3/Pentium fanless Medical Panel PC
- 21.5" 1920x1080 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 x 4 expansion slot
- Optional 4KV LAN/COM/USB isolated I/O
- Optional built-in battery pack

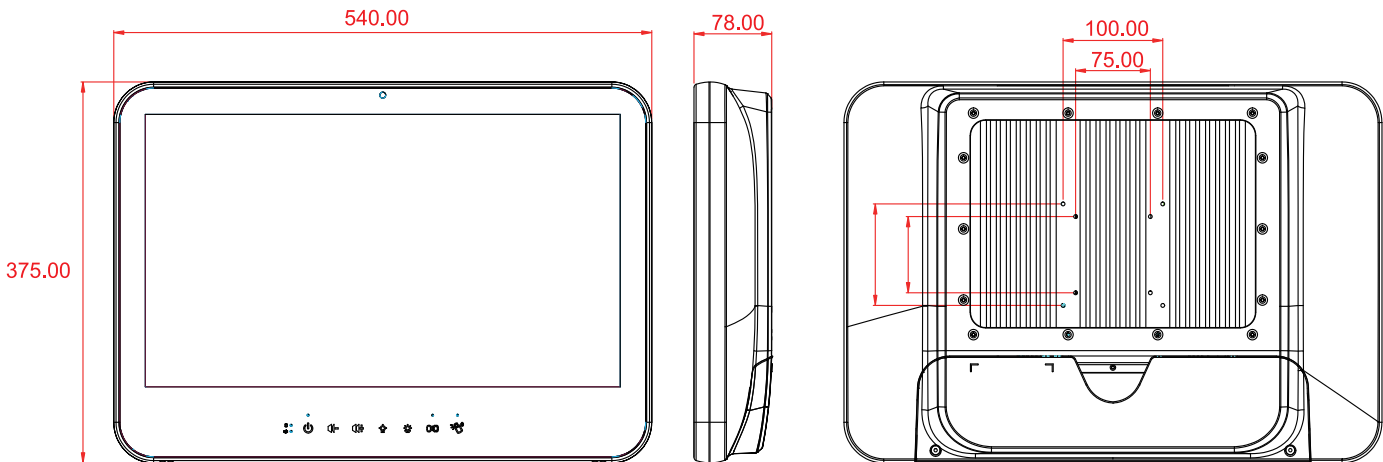


Skylake

Isolation

Expansion

Outline Drawing



Main System

|         |                                                                           |
|---------|---------------------------------------------------------------------------|
| CPU     | FCBGA1356 6th generation Intel® Core i7/i5/i3 processor (15W max.)        |
| Chipset | SoC                                                                       |
| VGA     | Intel® integrated HD Graphics 520 by CPU                                  |
| Memory  | Two 2133 MHz DDR4 SODIMM socket support dual Channel, non-ECC, up to 32GB |
| Speaker | 1.5 W x 2                                                                 |

LCD Panel

|               |                                    |
|---------------|------------------------------------|
| Size          | 21.5" wide 16:9                    |
| Resolution    | 1920 x 1080 (Full HD)              |
| Color numbers | 16.7M colors (RGB 6-bit + Hi FRC ) |
| Viewing angle | 170 (H) / 160 (V)                  |
| Contrast      | 1000:1 (Typ)                       |
| Brightness    | 250 nits                           |

Touch Panel

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

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

Storage & Expansion

|                |                                                                                                                                                                                       |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDD            | 2.5" SATA HDD drive bay x 1                                                                                                                                                           |
| Expansion slot | • PCI-E x 4 expansion slot x 1 (25W max, can't co-exist with isolated module) [100mm (W) x 220mm (D) x 14mm (H)]<br>• Mini PCIe x 1 (One full size support mSATA)<br>• M.2 Type E x 1 |

I/O & Power & Control Keys

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| USB               | USB 3.0 x 4                                                               |
| COM               | RS232 x 1, RS232/422/485 x 1 (RS-485 auto flow support, Jumpless by BIOS) |
| LAN               | RJ-45 x 2, Gigabit                                                        |
| Video-out         | DP x 2                                                                    |
| Audio             | Line-out, Microphone-in (3.5 mm phone-jack)                               |
| Power input       | DC-in x 1, DC 9~32V input (12V~28V with battery pack)                     |
| Power adaptor     | AC input 90 ~ 264V / 47~63 Hz / DC output 12V, 100W                       |
| Power consumption | 80 W ( Full loading )                                                     |
| Control keys      | Power on/off, Brightness, Audio volume, Backlight on/off, Clean me        |

Mechanical & Environmental

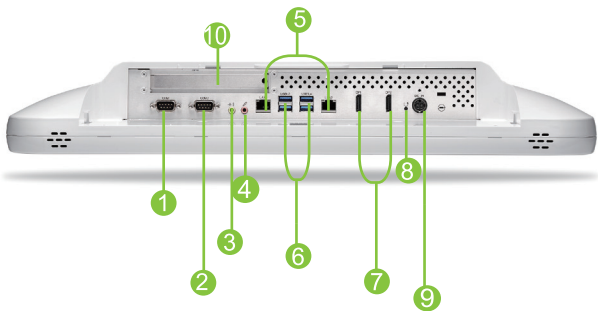
|              |                                                                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing      | • Front: Full flat design / Touch (standard), Glass (Customization)<br>• Rear: Plastic + I/O cover w/ antibacterial treatment<br>• Anti-bacteria (MRSA) |
| Cooling      | Fanless                                                                                                                                                 |
| IP rating    | IP65 – front side                                                                                                                                       |
| Dimension    | 540 x 375 x 78 mm (W x H x D, w/o stand)                                                                                                                |
| Weight (net) | 7.0Kg (approximate, w/o power adaptor)                                                                                                                  |
| Temperature  | Operating : 0°C~35°C (chamber)<br>Storage : -20°C~60°C                                                                                                  |
| Humidity     | Operating & storage – 10%~90%, non-condensing                                                                                                           |
| Regulatory   | • FCC/CE/VCCI Class B<br>• cULus Mark/UL60601-1<br>• EN60601-1 approved / ISO 14971 / IEC-62133<br>• Energy star 6.1 compliance                         |

Options

|                                        |
|----------------------------------------|
| Wireless or Wireless + BT kit          |
| 3.2M pixel webcam module (USB)         |
| Battery pack (100W max.)               |
| PCI-E x 4 riser card                   |
| Equipotential terminal pin             |
| Microphone on I/O cover                |
| WMP series stand, VESA 75/100          |
| AG film                                |
| mSATA module                           |
| Power adaptor w/ 2.4m or 3.6m DC cable |
| RFID (13.56Hz)                         |
| TPM v1.2 module                        |
| Power plug holder                      |

Customization

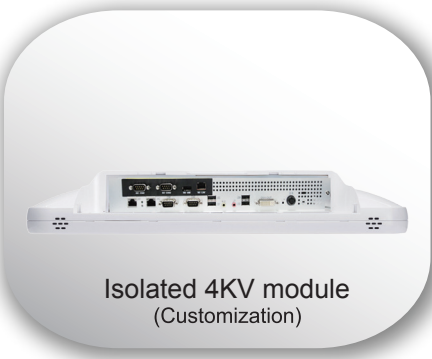
|                                                                                  |
|----------------------------------------------------------------------------------|
| Tempered glass                                                                   |
| USB 5,6 or COM 3, 4                                                              |
| 4KV Isolation Card x 1 (Isolation COM x 2, Isolation LAN x 1, Isolation USB x 1) |



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

Ordering Information

|              |               |                                                                |
|--------------|---------------|----------------------------------------------------------------|
| WMP-22C (i5) | 21.5" FANLESS | Core i5-6200U / DDR4 4G RAM / 500G HDD / Full flat P.cap touch |
| WMP-22C (i7) | 21.5" FANLESS | Core i7-6500U / DDR4 4G RAM / 500G HDD / Full flat P.cap touch |



Isolated 4KV module (Customization)