

Medical Panel PC

Key Features



- Intel Skylake i7/i5/i3/Pentium fanless Medical Panel PC
- 23.8" FHD 1920x1080 MVA LED panel
- P-CAP multi-touch with 10 fingers
- **Highest level of medical safety protection**
EMC 4.0/ Safety 3.1 certification ready
- Anti-bacteria (MRSA) plastic housing
- Friendly design of front function hot-keys
- **Support Intel vPro technology by CPU**
- Optional PCI-E/PCI expansion slot
- Optional 4KV LAN/COM/USB isolated I/O
- Optional built-in battery pack
- Customized DICOM solution by project



Skylake

Isolation

Expansion

Main System

CPU	LGA1151 package 6th generation Intel® Core i7/i5/i3/Pentium processor
Chipset	Intel® Q170 Chipset (Intel® GL82Q170 PCH)
VGA	Intel® integrated HD Graphics 530
Memory	Two 2133 MHz DDR4 SODIMM socket support dual Channel, non-ECC, up to 32 GB
Speaker	5W x2

LCD Panel

Size	23.8" wide 16:9
Resolution	Full HD 1920 x 1080
Color numbers	16.7M colors (true 8-bit)
Viewing angle	178 (H) / 178 (V)
Contrast	3000:1 (Typ)
Brightness	250 nits

Touch Panel

Type	Full flat projective capacitive touch panel (10 fingers)
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 , mSATA via Mini PCI-E x 1
2nd storage	Optional 2nd HDD or Card reader or DVD drive x 1 (Different configuration)
Expansion slot	<ul style="list-style-type: none"> • PCI-E x 16 expansion slot x 1 • Card size: 114mm (W) x 190mm (D) x 25mm (H) • Mini PCIe x 1 (One full size support mSATA) • M.2 Type E x 1

I/O & Power & Control Keys

USB	USB 3.1 gen II x 2, USB 3.0 x 2
COM	RS232 x 2
LAN	RJ-45 x 1, 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 (9V~28V with battery pack)
Power adaptor	AC input 90 ~ 264V / 47 ~ 63 Hz / DC output 24V, 180W
Power consumption	116 W (Full loading)
Control keys	Power, brightness, audio volume, read light, video input, display backlight, Clean me, programmable button

Mechanical & Environmental

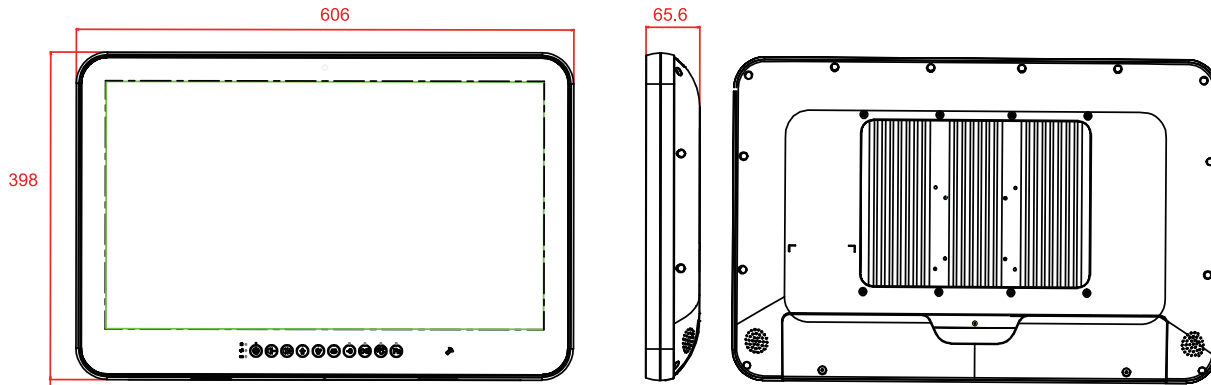
Housing	<ul style="list-style-type: none"> • Front: Full flat design / Touch (standard), Glass (Customization) • Rear: Plastic + I/O cover w/ antibacterial treatment • Anti-bacteria (MRSA)
IP rating	IP65 – front side, IPX1 whole system
Cooling	Fanless
Dimension	606 (H) x 398 (V) x 65.6 (T) (mm x mm x mm)
Weight (net)	9 kg (w/o power adapter)
Temperature	Operating : 0°C~35°C (chamber) Storage : -20°C~60°C
Humidity	Operating & storage – 10%~90%, non-condensing
Regulatory	<ul style="list-style-type: none"> • FCC/CE/VCCI Class B • cULus Mark/UL60601-1 • EN60601-1 approved / ISO 14971 / IEC-62133 • Energy star 6.1 compliance

Ordering Information

WMP-24C (i5)	24" FANLESS	Core i5-6500TE / DDR4 4G RAM / 500G HDD / Full flat P.cap touch
WMP-24C (i5)	24" FANLESS	Core i5-6500TE / DDR4 4G RAM / 500G HDD / Full flat P.cap touch / isolated USB/COM/LAN

Medical Panel PC

Outline Drawing



Options

- Wireless or Wireless + BT kit
- Auto focus 5M pixel webcam module (USB)
- Battery pack (100 max. PCI-E support, can't use when booting/S3 wake up)
- PCI-E x16
- Power adaptor w/ 2.4m or 3.6m DC cable
- Anti-bacteria desktop stand
- Equipotential terminal pin
- TPM v1.2 module
- Smart card reader (USB) or DVD drive or 2nd HDD
- AG Film
- mSATA module
- FHD Capture card
- Power plug holder
- RFID reader (13.56Hz)

4KV Isolation:

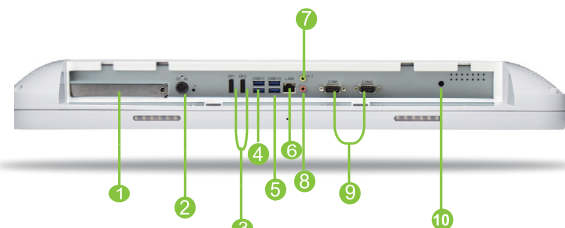
ISO COM x 2 + ISO LAN x 1 + ISO USB2.0 x 1
(need to take original COM x 2 ports' space)

Option other I/O:

USB3.1 x 2 + USB3.0 x 2 + USB2.0 x 2 + COM x 2 + LAN x 2 + DP x 2
(Default: USB3.1 x 2 + USB3.0 x 2 + COM x 2 + LAN x 1 + DP x 2)

Customization

- PCI riser card (BIOS change under Win 10)
- Video input DVI-D x 1 Via cable (need to modify IO BKT)
- DICOM module (Can't add AG film on touch)



- ① PCI-E/PCI expansion
- ② DC-in
- ③ DP Port x 2 (Output)
- ④ USB 3.1 x 2
- ⑤ USB 3.0 x 2
- ⑥ LAN x 1
- ⑦ Microphone-in
- ⑧ Line-out
- ⑨ RS232
- ⑩ Reset



DVD drive (Option)