

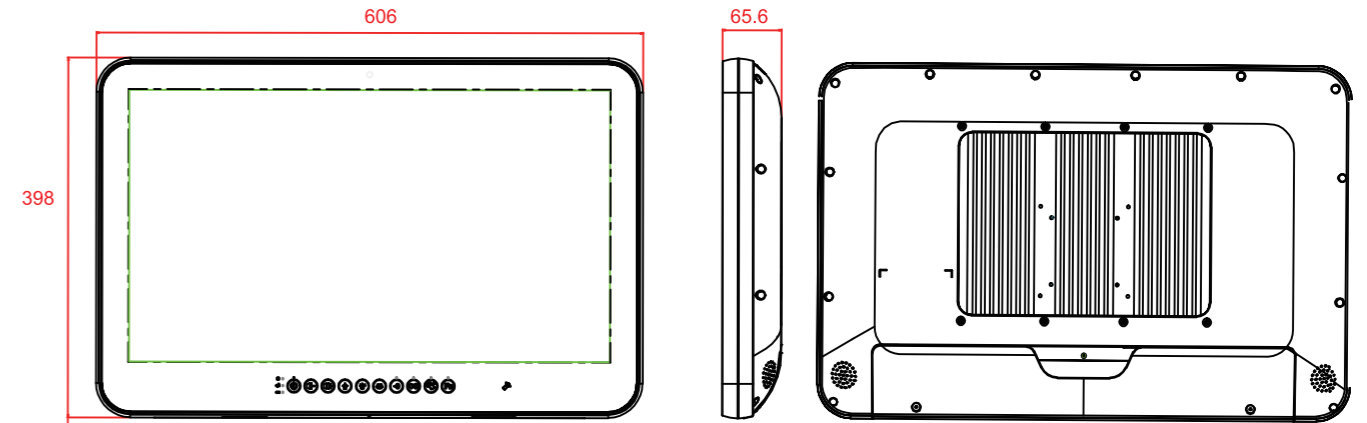


Key Features

- Intel Haswell i7/i5 Fanless Medical Panel PC
- 24" FHD 1920x1080 MVA LED panel
- P-CAP multi-touch with 10 fingers
- Medical UL60601-1 3rd edition certification
- Anti-bacteria (MRSA) plastic housing
- Friendly design of front function hot-keys
- Optional PCI-E/PCI expansion slot
- Optional 4KV LAN/COM/USB isolated I/O
- Optional built-in battery pack



Outline Drawing



Main System

CPU	BGA1364 for 4th generation Intel® mobile Core i7/ i5 processor (25W max.)
Chipset	Intel® DH82QM87 PCH
Graphics	Intel® integrated HD Graphics 4600
Memory	Two 1600 MHz DDR3/DDR3L SODIMM socket support dual channel
Speaker	5W x2

LCD Panel

Size	24" 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

Storage & Expansion

HDD	2.5" SATA HDD drive bay x 1, mSATA via Mini PCI-E x 1 DVD drive / or 2nd HDD / or Card reader x 1
Expansion slot	• PCI-E x 16 expansion slot x 1 (30W max) or PCI 2.2 x 1 (25W max) • Card size: 114mm (W) x 190mm (D) x 25mm (H) • Mini PCIe x 2

I/O & Power & Control Keys

USB	USB 3.0 x 4, USB 2.0 x 2 (Default)
COM	RS232 x 1, RS232/RS422/RS485 x 1
LAN	RJ-45 x 2, Gigabit
Video-out	DP x 2
Video-in	DVI-D x 1
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Power input	DC-in x 1, DC 7~32V input (9V~28V with battery pack)
Power adaptor	AC input 90 ~ 264V / 47~63 Hz / DC output 12V, medical grade, 1.2m DC cable
Power consumption	92.22 W (MAX. loading without adapter)
Control keys	Power, brightness, audio volume, read light, video input, display backlight, Clean me, programmable button

Mechanical & Environmental

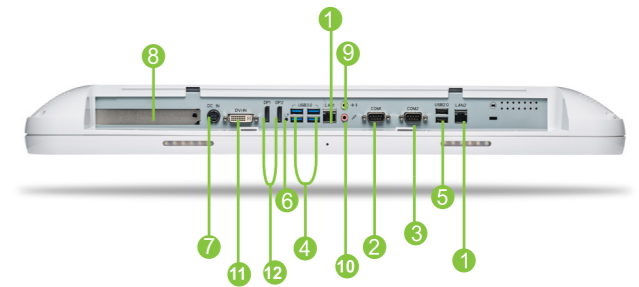
Housing	• Front: Full flat design / Touch (standard), Glass (Customization) • Rear: Plastic + I/O cover w/ antibacterial treatment • Anti-bacteria (MRSA)
IP rating	IP65 – front side, IPx1 whole system
Cooling	Fanless
Dimension	606 (H) x 398 (V) x 65.6 (T) (mm x mm x mm)
Weight (net)	9 kg (w/o power adapter)
Temperature	Operating : 0°C~40°C (chamber) Storage : -20°C~60°C
Humidity	Operating & storage – 10%~90%, non-condensing
Regulatory	• FCC/CE/VCCI Class B • cULus Mark/UL60601-1 • EN60601-1 approved / ISO 14971 / IEC-62133 • Energy star 6.1 compliance

Options

802.11 a/b/g/n WLAN module (Mini PCIe)
802.11 a/b/g/n WLAN + Bluetooth 4.0 module (Mini PCIe)
Auto focus 5M pixel webcam module (USB)
Battery pack
PCI-E x16 or PCI riser card
Power adaptor w/ 2.4m or 3.6m DC cable
Anti-bacteria desktop stand
Equipotential terminal pin
TPM v1.2 module
PoE Card (PCI-E x4)
AG Film
mSATA module
Smart card reader (USB) / or DVD drive / or 2nd HDD
4KV Isolation Card x 1 (Isolation COM x 2, Isolation LAN x 1, Isolation USB x 1)
RFID reader (13.56Hz)
Power plug holder

Customization

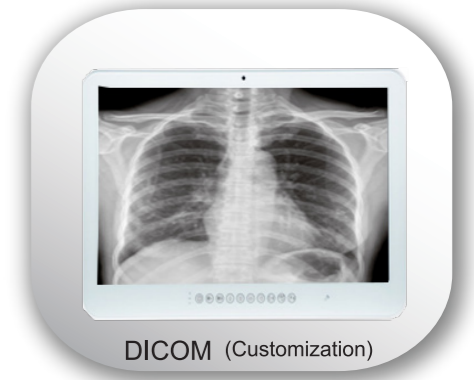
CFlash card
Add extra two COM ports
DVD drive
DICOM solution



- 1 LAN x 2
- 2 RS232/422/485
- 3 RS232
- 4 USB 3.0 x 4
- 5 USB 2.0 x 2
- 6 Reset
- 7 DC-in
- 8 PCI-E/PCI expansion
- 9 Line-out
- 10 Microphone-in
- 11 DVI-D (Input)
- 12 DP Port x 2 (Output)

Ordering Information

WMP-249 (i5)	24" FANLESS	i5-4402E/4G/500G/P-CAP
WMP-249 (i7)	24" FANLESS	i7-4702HQ/4G/500G/P-CAP



DICOM (Customization)