



Key Features

- Intel Broadwell Medical Panel PC
- 21.5" FHD 1920x1080 LED Panel
- P-CAP multi-touch
- 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



Broadwell

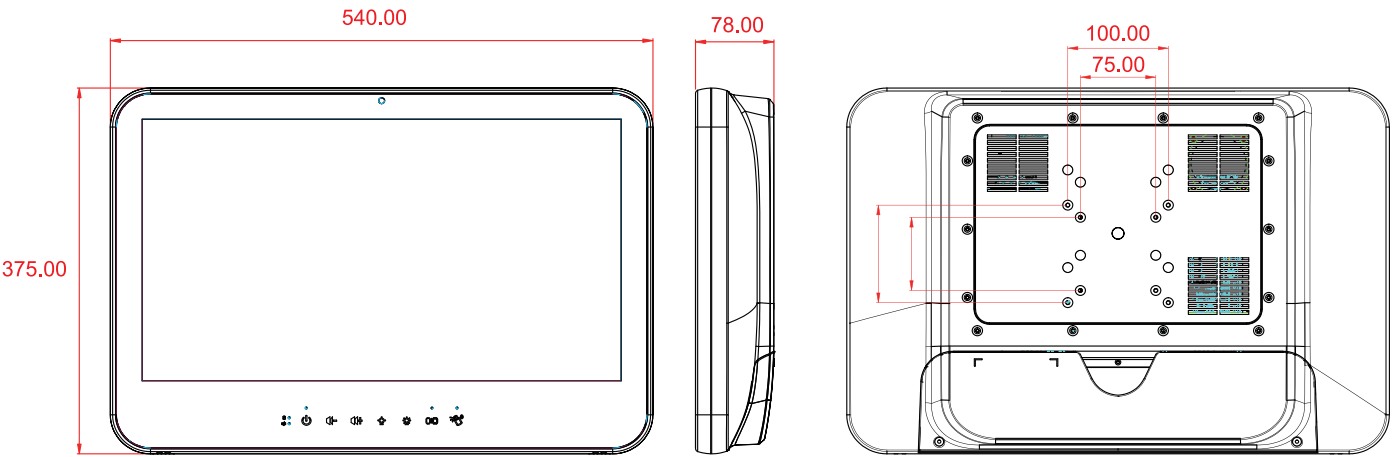


Isolation



Expansion

Outline Drawing



Main System

CPU	FCBGA1364 4th/5th generation Intel® Core i7/i5 processor (47W max.)
Chipset	Intel® DH82QM87 PCH
Graphics	Intel® integrated HD Graphics 4600 / 5600
Memory	Two 1600 MHz DDR3L SODIMM socket support dual Channel, non-ECC, up to 16GB
Speaker	1.5W x 2

LCD Panel

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

Storage & Expansion

HDD	2.5" SATA HDD drive bay x 1
Expansion slot	• PCI-E x 16 expansion slot x 1 (60W max, can't co-exist with isolated module) • Card size: 100mm (W) x 220mm (D) x 14mm (H) • Mini PCIe x 2

I/O & Power & Control Keys

USB	USB 3.0 x 4
COM	RS232 x 1, RS232/RS422/RS485 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, 7V~32V (9V~28V with battery pack)
Power adaptor	AC input 90 ~ 264V / 47~63 Hz / DC output 24V, medical grade, 1.2m DC cable
Power consumption	119.3 W (MAX. loading without adapter)
Control keys	Power on/off, Brightness, Audio volume, Backlight on/off, Clean me

Mechanical & Environmental

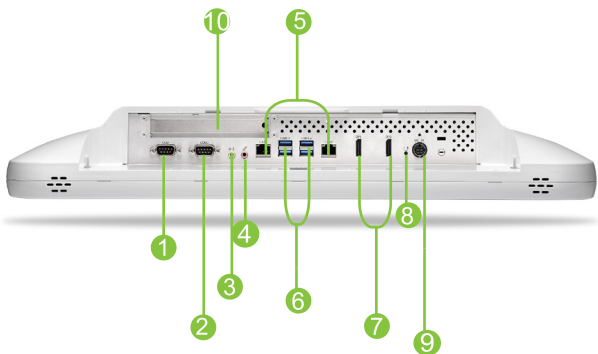
Housing	• Front: Full flat design / Touch (standard), Glass (Customization) • Rear: Plastic + I/O cover w/ antibacterial treatment • Anti-bacteria (MRSA)
IP rating	IP65 – front side
Cooling	Variable speed smart fan design < 30 dB (typical)
Dimension	540 x 375 x 78 mm (W x H x D, w/o stand)
Weight (net)	6.5 Kg (approximate, w/o power adaptor)
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)
3.2M pixel webcam module (USB)
mSATA module
Battery pack
PCI-E x 16 riser card
Power adaptor w/ 2.4m or 3.6m DC cable
Anti-bacteria desktop stand
Equipotential terminal pin
TPM v1.2 module
AG Film
Microphone on I/O cover
4KV Isolation Card x 1 (Isolation COM x 2, Isolation LAN x 1, Isolation USB x 1)
RFID (13.56Hz)
Power plug holder

Customization

USB 5,6 or COM 3,4
Tempered glass
Resistive Touch
DICOM solution



- 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-22B (i5)	22" FAN	i5-4210H/4G/500G/P.cap
WMP-22B (i7)	22" FAN	i7-5700HQ/4G/500G/P.cap