

WMP-176V

17" Core i High Performance Medical Panel PC



Key Features

- 17" Intel Core i7/i5/i3 Medical Panel PC
- 17" 1280x1024 LCD Panel
- Intel 3rd gen. IVY bridge Core i7/i5/i3 CPU
- Medical UL60601-1 3rd edition certification
- Anti-bacteria (MRSA) plastic housing
- Optional PCI/PCIe expansion slot
- IP65 at front side, IPx1 for whole system
- Friendly design of Function hot-deys
- Optional 4KV LAN/COM/USB isolation I/O
- Optional built-in battery pack

Main System

CPU	rPGA988B 3rd Generation Intel® Core i7/i5/i3 processor (35W max.)
Chipset	Intel® BD82HM65 PCH
Graphics	Intel® integrated HD Graphics 4000
Memory	16GB maximum, DDR3 SODIMM x 2, 1066/1333MHz, 2GB/4GB/8GB/16GB
Serial ATA	SATA3 x 2, 600MB/s transfer rate
USB	· External USB 2.0 x 4 (Type A) · Internal 3.3V Socket x 3, 5V Pin Head x 2
COM	x 6 (RS232, 422, 485 x 1 / RS232 x 5)
Audio	Realtek ALC262 audio codec, 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 2
BIOS	· AMI BIOS · Flash ROM size: 64 Mb · RTC wake up / Wake on LAN / Power on after power failure / PnP / ACPI / RTC
Speaker	2 watts x 2 (front bottom)

LCD Panel

Size	17" 5:4
Resolution	1280 x 1024 (SXGA)
Brightness	380 nits
Contrast	1000:1
Color numbers	16.7M (6-bit x 3 + FRC)
Viewing angle	170 (H) / 160 (V)
Response time	5 ms (R + F)
Backlight	CCFL x 2, 50,000 hours life time

Touch Panel

Technology	Resistive touch, 5-wire
Light transmittance	81 ± 3%
Hardness	≥ 3H
Touch stylus	No limitation
Resolution	4096 x 4096
Life time	35 million activations

Storage & Expansion

HDD	2.5" SATA HDD drive bay x 1 + anti-vibration kit, 320GB / 500GB
Expansion slot	· PCI-E x 16 expansion slot x 1 (60W max, can't co-exist with isolated module) or PCI 2.2 x 1 (by different configuration) · Card size: 68mm (W) x 220mm (D) x 18mm(H) · Mini PCIe x 2 (52 pin card-edge type)

I/O & Control Keys

USB	USB 2.0 x 4
COM	DB-9 x 2 (RS232, RS232/422/485 <w/ auto flow control>)
LAN	RJ-45 x 2, Gigabit
Video-out	DVI-I x 1
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Power input	DC-in x 1, 7V~32V (7V~28V with battery pack)
Control keys	· Front side, membrane type · Power on/off, Brightness, Audio volume

Power

Power adaptor	External, 100 watts, 90~264V AC in, 12V DC out, medical grade, 1.2m DC cable
Power consumption	57.6 watts (MAX. loading without adaptor)
Internal battery (optional)	· Lithium-Ion, 28W, for 20 minutes operating (approx.), 2S2P · Charge time: 2 hours (system off), 3.5 hours (system on)

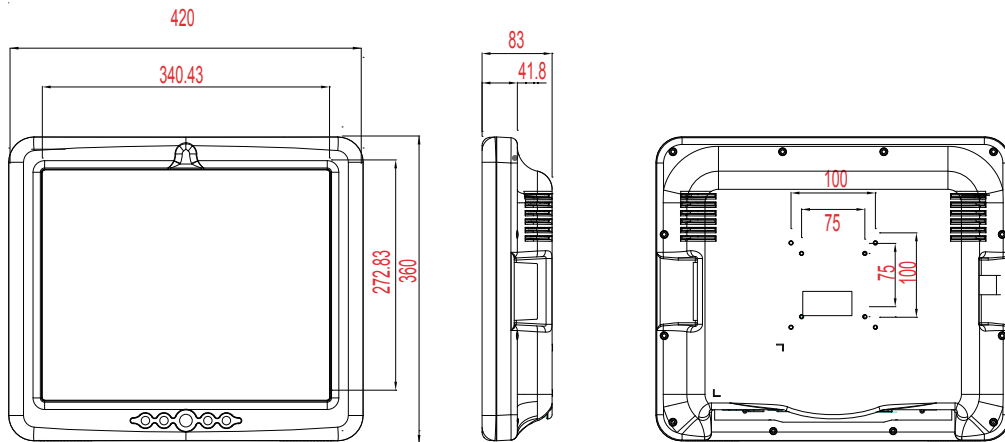
Mechanical & Environmental

Housing	· Plastic front bezel, rear cover / White color · Antibacterial coating
IP rating	IP65 – front side, IPx1 whole system
Cooling	Variable speed smart fan design, < 30 dB (typical)
Mounting	VESA 75 x 75 / 100 x 100 mm
Kensington lock	Yes, x 1 at bottom
Dimension	420 x 360 x 83 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 . Storage – -20°C~60°C
Humidity	Operating & storage – 10%~90%, non-condensing
Regulatory	UL/cUL 60601-1 version 3, FCC/VCCI class B / EN 60601-1 / EN60601-1-2:2007 / ISO 14971

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Outline Dimension



Packaging / Options / Customization

Packaging System, power adaptor, AC power cord, DVD (drivers & manual)

Options

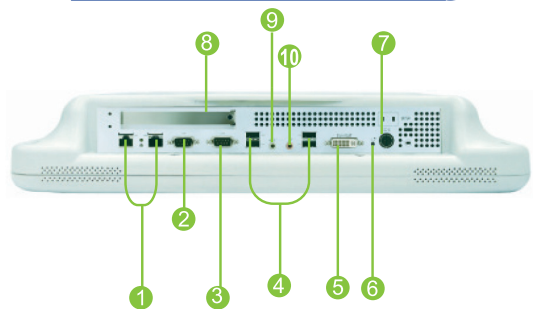
- WLAN – 802.11 a/b/g/n mini PCIe module with internal antenna x 2
- 802.11a/b/g/n dual-band 2T2R with Bluetooth
- Webcam (3.2M pixel, USB)
- 28W battery pack
- Video Graphic card (PCI-E x 16)
- PCI-E x16 or PCI riser card
- Power adaptor w/ 2.4m or 3.6m DC cable
- Anti-bacteria desktop stand (metal, white)
- Microphone on I/O cover
- PoE card
- Privacy Film
- Equipotential terminal pin
- 4KV Isolation Card x 1
(Isolation COM x 2, Isolation LAN x 1, Isolation USB x 1)

Customization

- Tempered glass
- High Speed USB 3.0 x 2
- Add extra two COM ports
- TPM 1.2 module



I/O Connectors



- | | |
|-----------------|-----------------------|
| ① LAN x 2 | ⑥ Reset |
| ② RS232/422/485 | ⑦ DC-in |
| ③ RS232 | ⑧ PCI-E/PCI expansion |
| ④ USB x 4 | ⑨ Line-out |
| ⑤ DVI-I | ⑩ Microphone-in |

Product Photo



Ordering Information

- CPU: Core i5 2.5G (default) / Core i7 2.2G / Core i3 2.4G
- Memory: 2G / 4G / 8G / 16G
- HDD: 320G / 500G
- Power adaptor: 1.2m / 2.4m / 3.6m DC cable
- WLAN: None / x 1
- Bluetooth + WLAN: None / x 1
- Battery pack: None / x 1
- Video Graphic card: None / x 1
- Expansion: None / PCI-E / PCI
- Webcam: None / x 1
- Desktop stand: None / x 1
- PoE: None / x 1
- Privacy Film
- Microphone on I/O cover: None / x 1
- 4KV Isolation Card: None / x 1
- Equipotential terminal pin: None / x 1

