

MP-176x

17" Core i High Performance Medical Panel PC



Key Features

- Intel 3rd Generation (Ivy Bridge) Core i7/i5/i3 CPU
- 17" 1280x1024 380 nits LCD & resistive touch panel
- Anti-bacteria plastic housing
- Medical 60601-1 3rd edition certification
- PCI-E/PCI expansion and two mini-PCIe sockets
- Variable speed low noise fan and HDD anti-vibration design
- Optional internal battery pack for 20 minutes operating
- Optional Wifi, Webcam, Bluetooth and RFID reader
- Optional PCI-E x 16 raiser card and Video Graphic card
- Customization for 4KV LAN/COM/USB isolation card



Main System

CPU	rPGA988B 3rd Generation Intel® Core i7/i5/i3/ Celeron® processor (35W max.)
Chipset	Intel® BD82HM65 PCH
Graphics	Intel HD Graphics HD 4000
Memory	8GB maximum, x 2 DDR3 SODIMM, 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 (external x 2, internal x 4)
Audio	Realtek ALC262 audio codec, 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 2
BIOS	• AMI BIOS, 4M EEPROM • RTC wake up / Wake on LAN / Power on after power failure / PnP / ACPI
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, 160GB / 500GB
Expansion slot	• PCI-E (x16) x 1 or PCI x 1 (Optional) • Card size: (100 x 155 x 18/0.5 mm or 68 x 220 x 18.5/0.5 mm) • 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, 6V~32V
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	75 watts (typical, without any add-ons)
Internal battery (optional)	• Lithium-Ion, 29Wh, for 20 minutes operating (approx.), 2S2P • Charge time: 2 hours (system off), 3.5 hours (system on)

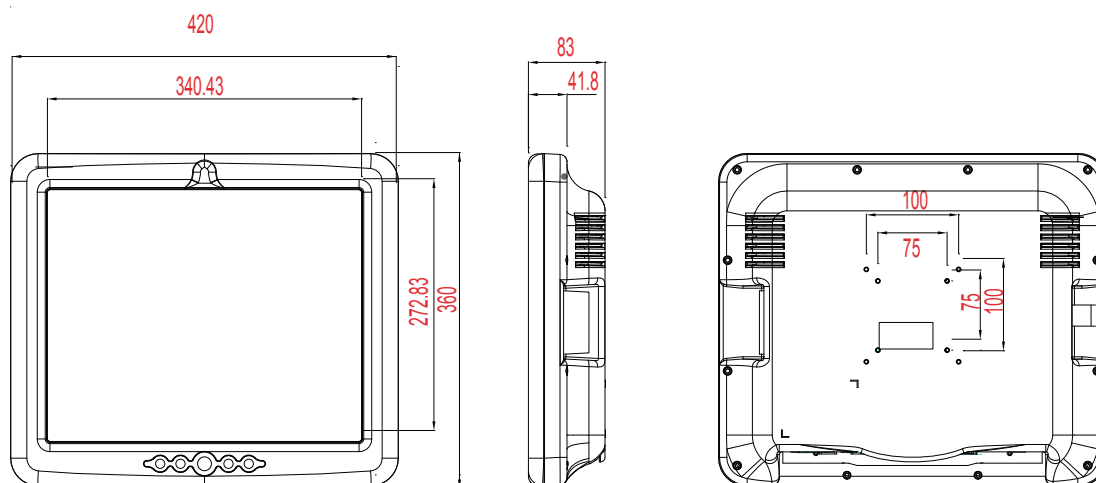
Mechanical & Environmental

Housing	• Plastic front bezel, rear cover / White color • Antibacterial coating
IP rating	IP65 – front side
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	• FCC-B, cUL, CE, VCCI • Medical 60601-1 3 rd edition (EN 60601-1:2006, ANSI/AAMI ES60601-1:2005, CAN/CSA C22.2 No. 60601-1:08)

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Outline Dimension



Packaging / Options / Customization

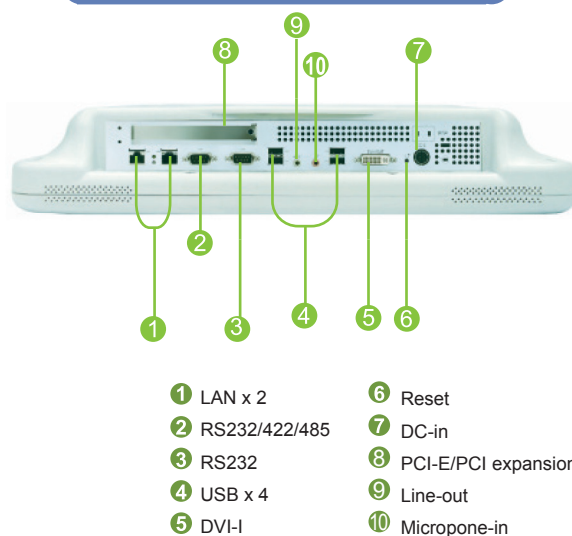
Packaging System, power adaptor, AC power cord, DVD (drivers & manual)

- 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 (2M pixel, USB)
 - Battery pack
 - RFID reader (13.56Hz, USB)
 - Video Graphic card (PCI-E x 16)
 - PCI-E x16 or PCI raiser card
 - Power adaptor w/ 2.4m or 3.6m DC cable
 - Anti-bacteria desktop stand (metal, white)
 - Microphone on I/O cover
 - Projected capacitive multi-touch
 - PoE card
 - AG Film

- Customization**
- Add extra two COM ports
 - 4KV Isolation Card x 1
(Isolation COM x 2, Isolation LAN x 1, Isolation USB x 1)
 - Change touch to glass
 - High Speed USB 3.0 x 2
 - TPM module



I/O Connectors



Product Photo



Ordering Information

- MP-1763 - Cpu Intel i3 Core, 4GB Ram, HDD 320GB, GLan, WLan, Bluetooth, 4xUSB, PCI-ex, iPazz-Mini keyboard & mouse
- MP-1765 - Cpu Intel i5 Core, 4GB Ram, HDD 320GB, GLan, WLan, Bluetooth, 4xUSB, PCI-ex, iPazz-Mini keyboard & mouse
- MP-1767 - Cpu Intel i7 Core, 4GB Ram, HDD 320GB, GLan, WLan, Bluetooth, 4xUSB, PCI-ex, iPazz-Mini keyboard & mouse

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