

WMP-176

17" Core i High Performance Medical Panel PC



Key Features

- Powerful Intel Core i5 2.3G & Celeron dual core 1.6G processor
- 17" 1280x1024 380 nits LCD & resistive touch panel
- PCI-E/PCI expansion and two mini-PCIe sockets
- Anti-bacteria plastic housing and medical 60601-1 3rd edition certification
- Variable speed low noise fan and HDD anti-vibration design
- Optional internal battery pack for 20 minutes operating
- Optional Wifi, Webcam and Bluetooth
- Customization for LAN/COM isolation, change touch to glass
- Support RS485 auto flow control function

Main System

CPU	• Intel Core i5-2410M 2.3GHz (dual core, 3MB cache) • Intel Celeron B810 1.6GHz (dual core, 2MB cache) • Support PGA988 socket, 35W TDP
Chipset	Intel BD82HM65 PCH
Graphics	• Core i5-2410M: Intel HD Graphics HD 3000 • Celeron B810: Intel HD Graphics
Memory	8GB maximum, x 2 DDR3 SODIMM, 1066/1333MHz, 2GB/4GB/8GB
Serial ATA	SATA3 x 2, 600MB/s transfer rate
USB	x 7 (socket), USB 2.0 (x 4 external, x 3 internal)
COM	x 6 (x 2 external, x 4 internal)
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 • Support RS485 Auto flow control function
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

I/O Connectors

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

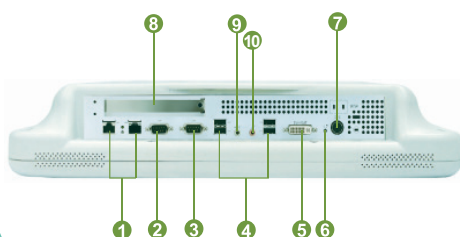
USB	USB 2.0 x 4
COM	- DB-9 x 2 (RS232, RS232/422/485:Support RS485 Auto flow control function)
LAN	RJ-45 x 2, Gigabit
Video-out	DVI-I x 1
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Power input	DC-in x 1, 6V~32V
Control keys	• Front side, membrane type • Power on/off, Brightness, Audio volume

Power

Power adaptor	External, 100 watts, 90~264V AC in, 12V DC out, medical grade, 1.2m DC cable
Power consumption	91.44 W (Full loading) / 24.7 W (S3 standby)
Internal battery (optional)	• Li-Ion, 28Wh, for 20 minutes operating (approx.), 2S2P • Charge time: 2 hours (system off), 3.5 hours (system on)
System power input	• DC12V,others by optional DC-DC adaptor

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 3rd edition (EN 60601-1:2006, ANSI/AAMI ES60601-1:2005, CAN/CSA C22.2 No. 60601-1:08)

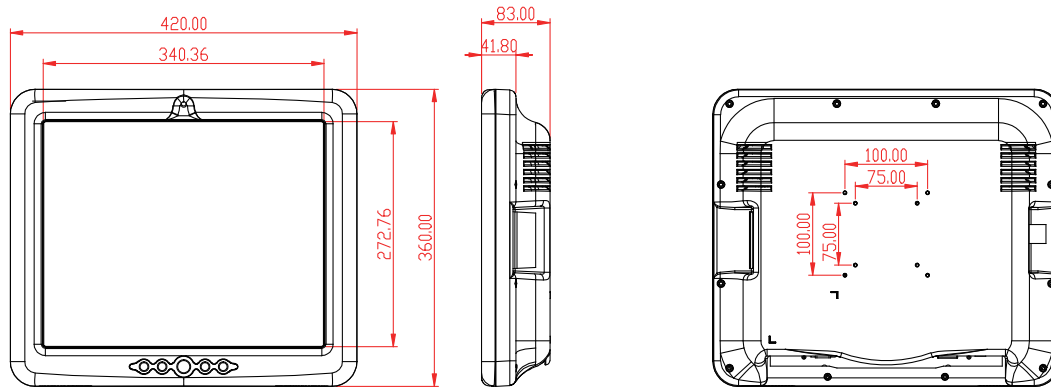


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|-----------------|-----------------------|
| ① LAN x 2 | ⑥ Reset |
| ② RS232/422/485 | ⑦ DC-in |
| ③ RS232 | ⑧ PCI-E/PCI expansion |
| ④ USB x 4 | ⑨ Line-out |
| ⑤ DVI- I | ⑩ Microphone-in |

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Outline Dimension



Packaging / Options / Customization

- Packaging** System, power adaptor, AC power cord, CD (drivers & manual)
- Options**
- WLAN – 802.11 a/b/g/n mini PCIe module w/ internal antenna x 2
 - Bluetooth 2.1 (USB)
 - Webcam (2M pixel, USB)
 - Battery pack
 - Power adaptor w/ 2.4m or 3.6m DC cable
 - Anti-bacteria desktop stand (metal, white)
 - Expansion slot (PCI-E or PCI)
 - IO Cover
 - PCI-Ex16 VGA card
- Customization**
- Add extra two COM ports
 - LAN isolation x 1
 - Add COM isolation x 2 module (use expansion slot area)
 - Change touch to glass



Ordering Information

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|--|----------------------------|-----------------------------|
| · CPU: Core i5 2.3G / Celeron 1.6G | · Memory: 2G / 4G / 8G | · HDD: 160G / 500G |
| · Power adaptor: 1.2m / 2.4m / 3.6m DC cable | · Wifi: None / x 1 | · Bluetooth: None / x 1 |
| · Webcam: None / x 1 | · Battery pack: None / x 1 | · Desktop stand: None / x 1 |
| · Expansion: None / PCI-E / PCI | · IO Cover: None / x 1 | |



Web: www.wincomm.com.tw
Contact: sales_support@wincomm.com.tw

Wincomm Corporation

3F, NO. 14, Prosperity Road II, Science-Based Industrial Park,
Hsinchu, Taiwan 30078, R.O.C
Tel: +886 3 578 0000 Fax: +886 3 578 0295

Assured Systems

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US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660