

WMP-175

17" Atom Dual Core Fanless Medical Panel PC



Key Features

- Fanless entry level medical grade panel PC
- Anti-bacteria plastic housing and medical 60601-1 3rd edition certification
- Atom dual core D525 1.8G CPU / Intel ICH8M chipset
- 17" 1280x1024 380 nits LCD & resistive touch panel
- Front IP65 protection and HDD anti-vibration design
- Integrated 2 watts x 2 speakers
- Optional Bluetooth, I/O cover, anti-bacteria desktop stand & glass
- Support RS485 auto flow control function

Main System

CPU	• Intel Atom dual core D525 1.8GHz (dual core, 1MB L2 cache) • Support FCBGA559 socket, 13W TDP (Max.)
Chipset	Intel ICH8M
Graphics	• D525 integrated the 3 rd generation graphics core • Xilinx XC3S200AN scaler chip for up to 1902 x 1080 full HD
Memory	4GB maximum, x 2 DDR2 SODIMM, up to 800MHz, 1GB/2GB/4GB
Serial SATA	SATA x 1, 150MB/s transfer rate
Serial port	RS232/422/485 x 1 (Support RS485 Auto flow control). RS232 x 1 (Reserve layout for internal RS232 x 4 => one at I/O bottom, three with internal pin head)
USB	USB 2.0, x 7 (x 3 external, x 4 internal)
Audio	Realtek ALC268 audio codec, 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 1
BIOS	• Award BIOS, 8M 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

Storage & Expansion

HDD	2.5" SATA HDD drive bay x 1 + anti-vibration kit, 160GB / 500GB
Expansion slot	• Mini PCIe x 1 (52 pin card-edge type) • Optional PCI-E (x4) or PCI slot x 1 • Crad size: 100 x 260 x 12/2 mm

I/O & Control Keys

USB	USB 2.0 x 3
COM	DB-9 x 2 (RS232 x 1, RS232/422/485 x 1)
LAN	RJ-45 x 1, Gigabit
Video-out	VGA DB-15 x 1
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Card reader	None
Power input	DC-in x 1, 12V~28V
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	61.2 watts (typical, without any add-ons)

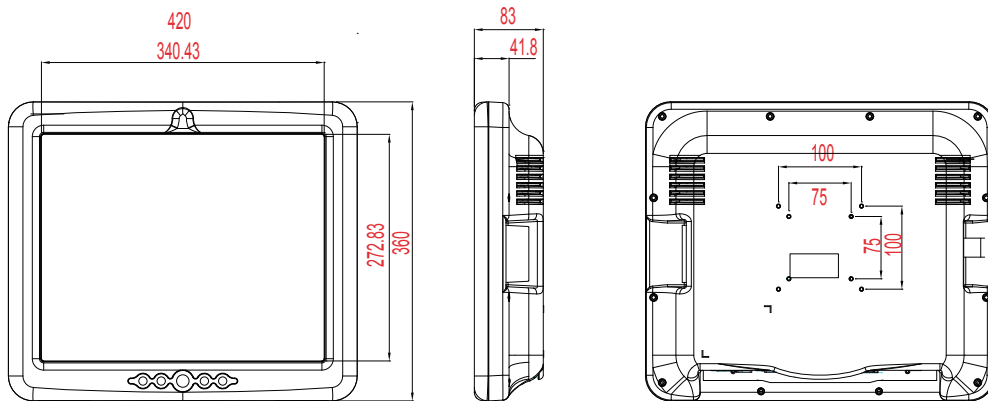
Mechanical & Environmental

Housing	• Plastic front bezel, rear cover / White color • Antibacterial coating
IP rating	IP65 – front side
Cooling	Fanless design
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

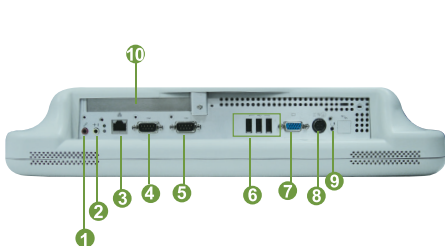


Packaging / Options / Customization

- Packaging** System, power adaptor, AC power cord, CD (drivers & manual)
- Options**
- WLAN – 802.11 b/g/n mini PCIe module w/ internal antenna x 2
 - Bluetooth 2.1 (USB)
 - Power adaptor w/ 2.4m or 3.6m DC cable
 - Anti-bacteria desktop stand (metal, white)
 - Change touch to glass



I/O Connectors



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

Ordering Information

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|--|--------------------------------|-------------------------|--------------------|
| • Memory: 1G / 2G / 4G | • HDD: 160G / 500G | • I/O cover: None / x 1 | • WLAN: None / x 1 |
| • Power adaptor: 1.2m / 2.4m / 3.6m DC cable | • Bluetooth: None / x 1 | | |
| • Desktop stand: None / x 1 | • Touch: Yes / Change to glass | | |



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Assured Systems

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