

WMP-153

15.6" -Wide Latest Fanless Bay Trail Multi Touch Medical Panel PC



Key Features

- Intel® Celeron® J1900 2.0 GHz quad-core processor
- Projective capacitive multi-touch screen (10 fingers)
- Fanless operating with reliable thermal design
- Seamless on the front side
- Easy wipe surfaces with no internal corners
- IP65 at front side, IPx1 for whole system
- Medical 60601-1 newest 3rd edition certification
- Two mini PCIe expansion
- Anti-bacteria (MRSA) plastic housing
- Optional for built-in battery backup function
- Optional one PCI-E (x1) slot
- Customized for 4KV LAN/COM/USB isolation card

Main System

CPU	Intel® Celeron® J1900 2.0 GHz quad-core processor (10W Max.)
VGA	Intel® integrated HD Graphics
Memory	Two 1333 MHz DDR3L SO-DIMM socket support dual Channel, non-ECC, up to 8GB
Serial ATA	SATA 2, 300 MB/s transfer rate x 2
USB	External USB 3.0 x 1 (Type A), USB 2.0 x 3 (Type A) Internal 5V Pin Head x 5 (one reserve for PCT Touch, one reserve webcam support webcam hotkey disable function)
COM	External RS232, 422, 485 x 1 (RS485 support auto-flow), RS232 x 1 Internal RS232 x 1 RS232 (Jumper TTL 5V, 12V) x1
Audio	Realtek ALC262 Audio Codec, 2 + 2watts power amplifier
LAN	Marvell 88E8071 Giga LAN x 1
BIOS	Brand: AMI Flash ROM size: 64 Mb Support RTC wakeup /Wake on LAN /Power on after power failure/PnP/ACPI/RTC
Speaker	2W x 2
Microphone	Built-in microphone

LCD Panel

Size	15.6" wide 16:9
Resolution	1366 x 768
Brightness	400 nits
Contrast	500:1 (Typ)
Color numbers	16.7M colors (RGB 6-bit + Hi FRC)
Viewing angle	170 (H) / 160 (V)
Response time	8 ms (Typ)
Backlight	LED, 50,000 hours life time

Touch Panel

Type	Front full flat touch panel
Technology	Projective capacitive touch panel (10 fingers)
Light Transmission	90% ± 3%
Hardness	7H pencil, pressure 750g/45°
Input Mode	Finger, thin gloved hand or conductive stylus
Resolution	100ppi to 25ppi Based WIN7 definition ppi (Pixel per inch)
Life time	100M times

Storage & Expansion

HDD	2.5" SATA HDD drive bay x 1
Expansion slot	PCI-E (x1) expansion slot x 1 (Option) (10W max, can't co-exist with isolated module) Isolation card (Support Wincomm isolated module only, can't co-exist with PCI-E x 1, internal USB J14/J15) Mini-PCIe x 2 (52 pin card-edge type)

I/O & Control Keys

USB	USB 3.0 x 1, USB 2.0 x 3
COM	RS232 x 1, RS232/RS422/RS485 x 1 (RS485 support auto-flow)
LAN	RJ-45 x 1, Gigabit
DVI output	DVI-I x 1
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Power input	DC-in x 1, 7~32V (7V~28V with battery pack)
Control keys	Front side, projected capacitive type Power, audio volume, brightness, backlight on/off, touch on/off, webcam (disable), programmable button

Power

Power adaptor	AC input 90 ~ 264V / 47 ~ 63 Hz / DC output 12V, medical grade, 1.2m DC cable
Power consumption	70.6 W
Internal battery	Built-in battery backup function (option)

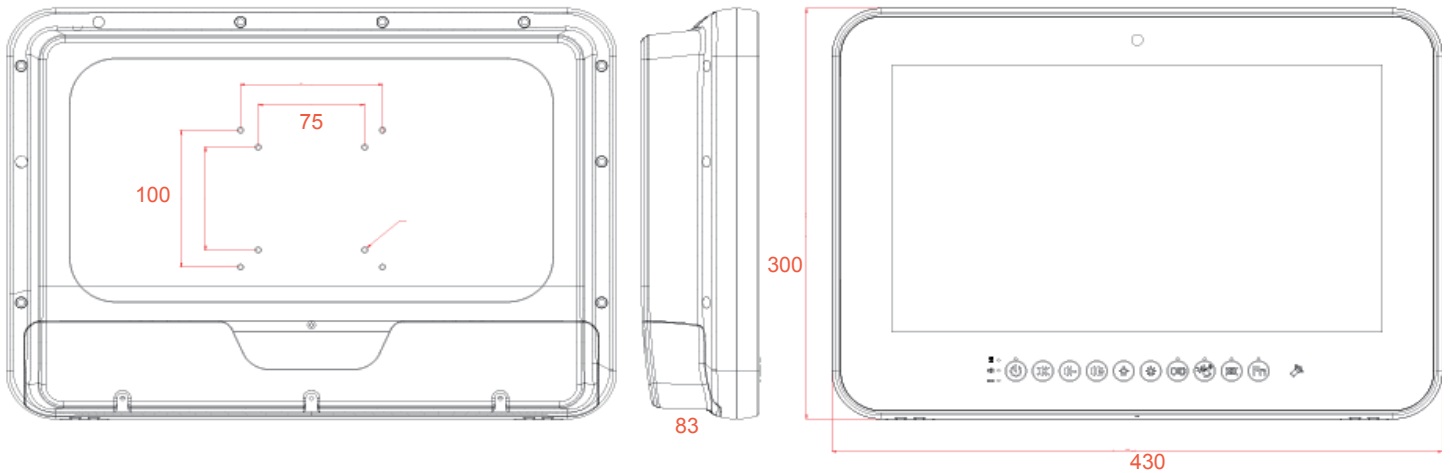
Mechanical & Environmental

Housing	Front: Full flat design Rear: Plastic + I/O cover w/ antibacterial treatment Anti-bacteria (MRSA)
Color	Housing: White Control key icons: Silver Grey (Panton no. Cool grey 8C)
IP rating	IP65 – front side, IP x1 for whole system
Cooling	Fanless
Mounting	VESA 75 x 75 / 100 x 100 mm
Kensington lock	Yes, bottom x 1
Dimension	430(H) x 300 (V) x 83 (T) (mm x mm x mm)
Weight (net)	5 kg (w/o power adaptor)
Temperature	Operating : 0°C~40°C (chamber) 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)

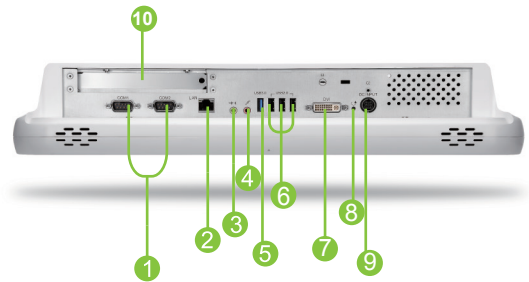
Options

- 802.11 a/b/g/n WLAN module (Mini PCIe)
- 802.11 a/b/g/n WLAN + bluetooth 4.0 module (Mini PCIe)
- 5M pixel AF webcam module (USB)
- Built-in back up battery
- RFID reader (13.56Hz, USB)
- Equipotential terminal pin
- PCI-E x 1 riser card
- Power adaptor w/ 2.4m or 3.6m DC cable
- Anti-bacteria desktop stand (metal, white)
- TPM module

Customization • 4KV Isolation Card x 1
(Isolation COM x 2, Isolation LAN x 1, Isolation USB 2.0 x 1)



I/O Connectors



- | | |
|-----------------|-----------------------|
| ① COM x 2 | ⑧ Reset |
| ② LAN x 1 | ⑨ DC-in |
| ③ Line-out | ⑩ PCI-E/PCI expansion |
| ④ Microphone-in | ⑪ Isolation COM x 2 |
| ⑤ USB 3.0 x 1 | ⑫ Isolation USB x 1 |
| ⑥ USB 2.0 x 3 | ⑬ Isolation LAN x 1 |
| ⑦ DVI-I output | |



Ordering Information

- CPU: Intel Celeron J1900 2.0 GHz (default) • Memory: 2G / 4G / 8G • 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
- RFID reader: None / x 1 • Expansion: None / PCI-E • Webcam: None / x 1 • Desktop stand: None / x 1
- TPM module: None / x 1 • Equipotential terminal pin: None / x 1



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