



WMP-197V

19" Core i Fanless Medical Panel PC

WMP-197V

Key Features

- ✓ Front full flat resistive touch with IP65 rating
- ✓ Fanless operating w/ reliable thermal design
- ✓ Anti-bacteria plastic housing
- ✓ Medical 60601-1 3rd edition certification
- ✓ 19" 5:4 SXGA 1280x1024 350 nits LCD with LED backlight
- ✓ Intel 3rd Generation (Ivy Bridge) Core i7/i5/i3 CPU
- ✓ PCI-E/PCI expansion and two mini-PCIe sockets
- ✓ Optional internal battery pack for 25 minutes operating
- ✓ Optional WLAN, Webcam, Bluetooth and RFID reader
- ✓ Customization for 4KV LAN/COM/USB isolation card



Specifications

Main System

CPU
FCBGA1023 3rd Generation Intel® Core i7/i5/i3/Celeron® processor (17W max.)
Chipset
Intel® BD82HM65 PCH
Graphics
- Intel Core i7-3517U /Core i5-3317U /Core i3-3217U: Intel HD Graphics HD 4000
- Celeron 847E: Intel HD Graphics
Memory
- 8GB maximum, DDR3 SODIMM x 2, 1066/1333MHz, 2GB/4GB/8GB/16GB
Serial ATA
SATA2 x 2, 300MB/s transfer rate
USB
- External USB 2.0 x 4 (Type A)
- Internal 3.3V Socket x 3, 5V Pin Head x 2
COM
x6 (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: 19" 5:4
Resolution: SXGA 1280 x 1024
Brightness: 350 nits
Contrast: 1000:1
Color numbers: 16.7M (6-bit x 3 + Hi FRC)
Viewing angle: 170 (H) / 160 (V)
Response time: 5 ms (R + F)
Backlight: LED, 50,000 hours life time

Storage & Expansion

HDD
2.5" SATA HDD drive bay x 1 + anti-vibration kit, 320GB / 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 18/0.5 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, projected capacitive type
Power on/off, Brightness, Audio volume, Backlight on/off, Touch on/off

Power

Power adaptor
External, 100 watts, 90~264V AC in, 12V DC out, medical grade, 1.2m DC cable
Power consumption
65 watts (typical, without any add-ons)
Internal battery
Lithium-Ion, 29Wh, for 25 minutes operating (approx.), 2S2P
(optional) Charge time:
2 hours (system off), 3.5 hours (system on)

Mechanical & Environmental

Housing:
- Front: Full flat design / Touch (standard), Glass (Customization)
- Rear: Plastic + I/O cover w/ antibacterial treatment
Color:
- Housing: White
- Control key icons: Grey (Panton no. Cool grey 8C)
IP rating: IP65 – front side
Cooling: Fanless w/ back cover aluminum thermal plate
Mounting: VESA 75 x 75 / 100 x 100 mm
Kensington lock: Yes, x 1 at bottom
Dimension: 450 x 420 x 85.3 mm (W x H x D, w/o stand)
Weight (net): 7.5 Kg (approximate, w/o power adaptor)
Temperature:
- Operating – 0°C~35°C / - Storage – -20°C~60°C
Humidity: Operating & storage – 10%~90%, non-condensing
Regulatory: CC-B, cUL, CE, VCCI

