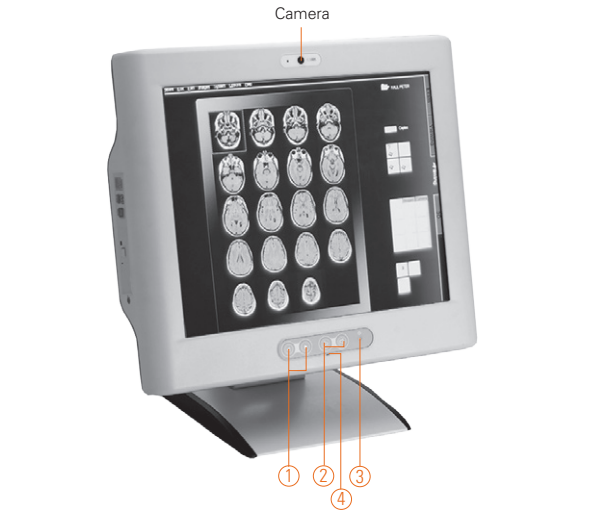
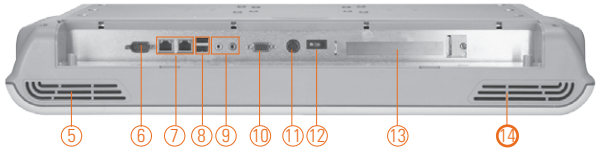
MPC175-851-FL

17" TFT Fanless Super Slim Medical Grade Panel Computer with Intel® Core™2 Duo Processor up to 2.26 GHz





1. Brightness adjust buttons
2. Volume adjust buttons
3. Power LED
4. MIC
5. Speaker (R)
6. COM 1 (RS-232/422/485)
7. Ethernet x 2
8. USB 2.0 x 2
9. Audio (Line-out/Mic-in)
10. VGA
11. Power connector
12. Power switch
13. PCI or PCIe slot
14. Speaker (L)

IP65 IPX1 Fanless Low Power DualView DDR3

Introduction

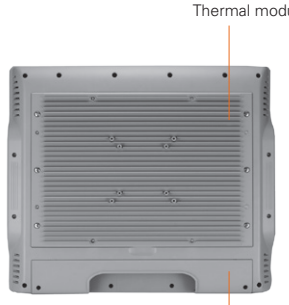
The MPC175-851-FL is a 17-inch slim TFT fanless medical grade panel computer, which is well-suited for applications like medical image processing and medical measuring instrument. Especially designed for the medical environment, it adopts IPX1 waterproof design which protects the entire system from outside liquid, preventing system from crashing. Powered by socket P Intel® Core™2 Duo processor and PCI expansion slot, the MPC-175-851-FL is definitely the best choice for your medical panel computer.

This platform complies with UL60601-1/EN60601-1, CE, FCC Class B certifications to ensure medical operation safety. It is outfitted with 17-inch SXGA TFT LCD display. Additionally, the MPC175-851-FL offers flexible CPU selection with socket type which reduces cost, increases convenience over onboard CPU, and still maintains a fanless operation and long product life cycle. For expansion capability, the unit supports one PCI or PCIe x4 slot for video capture card, data acquisition card and more. The built-in 1.3 mega pixels camera, microphone and stereo speakers allow medical professionals to execute remote operation. Bluetooth is an available option for wireless connection with medical peripheral devices. Optional WiFi (802.11 b/g) allows wireless real-time connection of patient record for assessment. To improve patient treatment accuracy, the optional RFID (radio frequency identification) offers an efficient way to validate patient identification and give proper treatment.

Features

- 17" high brightness (380 nits) SXGA TFT LCD
- Fanless socket P Intel® Core™2 Duo or Intel® Celeron® M processor
- UL60601-1/EN60601-1, CE & FCC class B certified
- Water/dust-proof design (front bezel: IP65, full enclosure: IPX1)
- Optional Super Multi drive (for MPC175-851-FL-AC-DVDRW)
- 1 PCI or PCIe x4 expansion slot (for MPC175-851-FL-AC-PCI or MPC175-851-FL-AC-PCIe)
- Optional Bluetooth/RFID reader
- Built-in 1.3 mega pixels camera
- Optional internal wireless (802.11 b/g) antenna

▲ Side view



▲ Rear view

Specifications

Front Bezel	Plastic ABS	
LCD Panel	Display Type	17" SXGA TFT
	Brightness (cd/m²)	380 nits
	Resolution	1280 x 1024
	Viewing Angle (H/V)	160°/160°
Main System	CPU	Fanless socket P Intel® Core™2 Duo or Intel® Celeron® M processor
	Chipset	Intel® GM45 + ICH9M
	System Memory	2 x DDR3 SO-DIMM memory max. up to 8 GB
	BIOS	AMI BIOS with SmartView and customer CMOS backup
	Storage	1 x 2.5" SATA HDD 1 x CompactFlash™
	Optical Drive	1 x compact Super Multi drive (for MPC175-851-FL-AC-DVDRW)
	Watchdog Timer	255 levels, 0~255 sec.
	Onboard Graphics	Intel® GM45

* All specifications and photos are subject to change without notice.

Specifications

I/O Connector	1 x RS-232/422/485 (COM 1) 2 x USB 2.0 1 x Audio (Mic-in/Line-out) 2 x 10/100/1000Mbps Ethernet 1 x VGA
Expansion Interface	1 x PCI or PCIe x4 slot (for MPC175-851-FL-AC-PCI or MPC175-851-FL-AC-PCIe)
Camera	1 x 1.3 mega pixels camera
Touchscreen	Resistive type Light transmission: 80% Touch life 35 million touches
Power Supply	External 24VDC with AC/DC medical grade power adapter
Dimensions	438 mm (17.24") (W) x 76.5 mm (3.01") (D) x 376.4 mm (14.81") (H)
Packing Dimensions	610 mm (24.02") (W) x 260 mm (10.24") (D) x 590 mm (23.23") (H)
Weight (net/gross)	7.65 kg (16.85 lb)/9 kg (19.84 lb)
Environment	Operating temperature: 0° ~ +40°C (+32°F ~ +104°F) Storage Temperature: -20°C ~ +60°C (-4°F ~ +140°F) Relative humidity: 10% ~ 95%, non-condensing
Certification	CE, FCC class B, EN60601-1, UL60601-1

Ordering Information

MPC175-851-FL-AC-DVD RW	17" TFT fanless medical grade panel computer with resistive T/S and slim Super Multi drive
MPC175-851-FL-AC-PCI	17" TFT fanless medical grade panel computer with resistive T/S and PCI expansion (w/o Super Multi)
MPC175-851-FL-AC-PCIe	17" TFT fanless medical grade panel computer with resistive T/S and PCIe x4 expansion (w/o Super Multi)

* Specification and certifications are based on options and may vary.
**Super Multi drive includes DVD-R, DVD-RW and DVD-RAM.

Optional Accessories

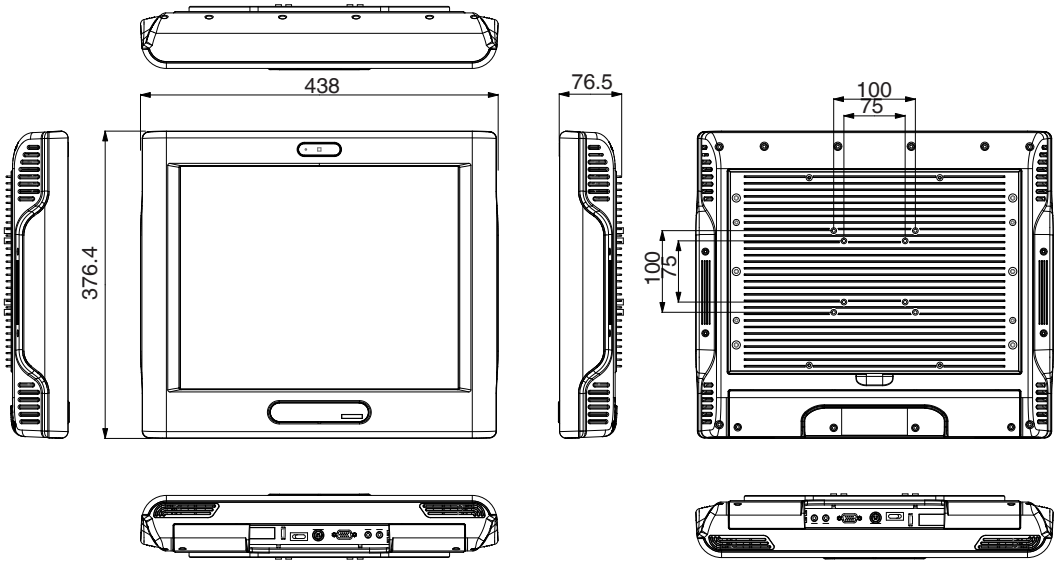
E202003330	VM-101 VESA ARM (clamp type)
E202003329	VM-105 VESA ARM (wall mount type)
E228170100	17" stand kit

Optional OS Installation

Windows® XP
Windows® 7
Linux kernel 2.6

▲ Stand kit

Dimensions



OPEN I/O COVER VIEW

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