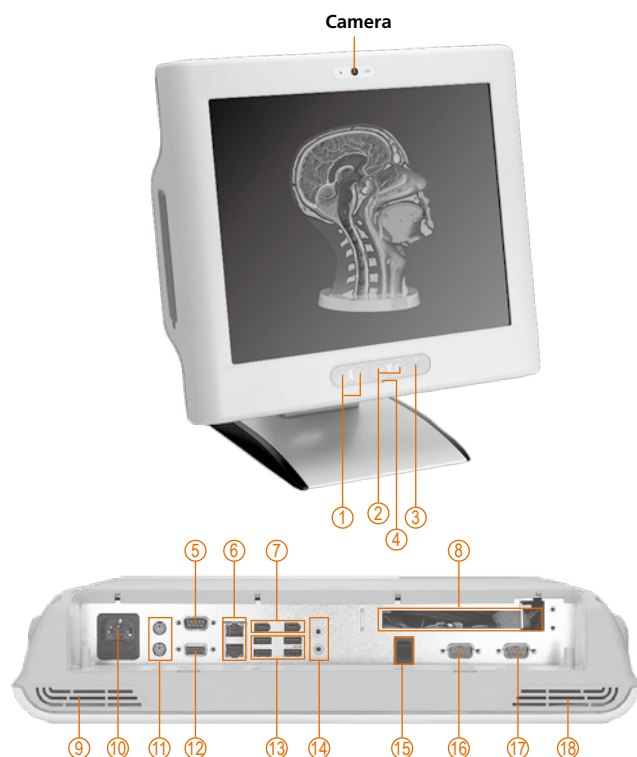


MPC170-831-FL/MPC170-831

17" TFT Medical Grade Panel Computer with Intel® Core™2 Duo Processor

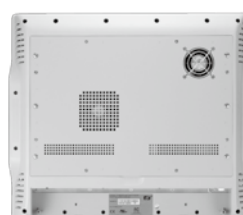


- | | | | |
|------------------------------|---------------------------|-----------------------------|--------------------|
| 1. Brightness adjust buttons | 5. COM 1 (RS-232/422/485) | 10. AC inlet | 15. Power switch |
| 2. Volume adjust buttons | 6. Ethernet x 2 | 11. PS/2 K/B+M/S x 2 | 16. COM 2 (RS-232) |
| 3. Power LED | 7. IEEE 1394a x 2 | 12. VGA | 17. COM 3 (RS-232) |
| 4. MIC | 8. PCI slot | 13. USB 2.0 x 4 | 18. Speaker(L) |
| | 9. Speaker(R) | 14. Audio (Mic-in/Line-out) | |

Features



- 17" high brightness (380 nits) SXGA TFT LCD
- Fanless LV Intel® Core™2 Duo or ULV Intel® Celeron® M processor (MPC170-831-FL)
- Socket M Intel® Core™2 Duo processor with fan (MPC170-831)
- UL60601-1/EN60601-1, CE & FCC class B certified
- Spill and dust resistant design (front panel: IP65, whole enclosure: IPx1) (MPC170-831-FL only)
- Dual 10/100/1000Mbps Ethernet ports
- Built-in combo drive
- 1 PCI expansion slot
- Built-in 1.3 mega pixels camera



MPC170-831



MPC170-831-FL
(Fanless version)

Introduction

The MPC170-831-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 M Intel® Core™2 Duo processor and PCI expansion slot, the MPC170-831 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 slot for video capture card, data acquisition card and more. The built-in 1.3 mega pixels camera, microphone and stereo speakers allows medical professionals to execute remote operation. Besides, the dual Gigabit Ethernet ports provide extremely high speed of Ethernet and high reliable redundancy host connection.

Specifications

Front Bezel	Plastic ABS		BIOS	Phoenix-Award 4Mbit with RPL/PXE LAN Boot ROM, SmartView and customer CMOS backup
LCD Panel	Display Type	17" SXGA TFT	Storage	Supports 1 x 2.5" SATA HDD
	Brightness (cd/m ²)	380 nits		Optical Drive
	Resolution	1280 x 1024		1 x 8X/24X combo drive
	Viewing Angle (H/V)	160° / 160°		Watchdog Timer
Main System	CPU	Fanless LV Intel® Core™2 Duo L7400 or ULV Intel® Celeron® M 423 or Socket M Intel® Core™2 Duo processor	Onboard Graphics	255 levels, 0-255 sec.
	Chipset	Intel® 945GME GMCH Gen 3.5	Intel® 945GME	
	System Memory	Supports 2 x DDR2 DIMM memory up to 4 GB (The actual max. capacity will be less depending on system configuration)		

I/O Connector	2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1) 4 x USB 2.0 2 x PS/2 mouse/keyboard 1 x Audio (Mic-in/Line-out) 1 x VGA out (supports DualView) 2 x IEEE 1394a 2 x 10/100/1000Mbps Ethernet
Expansion Interface	1 x PCI slot
Camera	1 x 1.3 mega pixels camera
Touchscreen	Resistive type Light transmission: 80% Touch life 35 million touches
Power Supply	Medical grade AC 90-264V, ATX 150W power supply ATX 150W DC power supply; input 18-36VDC
Dimensions	439mm (17.28") (W) x 92mm (3.6") (D) x 376.5mm (14.82") (H)
Weight (net/gross)	9 kg (19.84 lb)/13.7 kg (30.2 lb)
Environmental	Operation temperature: 0°C ~ +40°C (32°F ~ 104°F) Relative humidity: 10% ~ 95%, non-condensing Shock: 10G peak acceleration (11 sec. duration)
Certification	CE, FCC class B, EN60601-1, UL60601-1

Ordering Information

AC Power Version

MPC170-831-AC-CD	17" TFT medical grade panel computer with socket M Intel® Core™2 Duo processor, resistive T/S, slim Combo and fan
MPC170-831-FL1.5G-AC-CO	17" TFT fanless medical grade panel computer with LV Intel® Core™2 Duo 1.5 GHz (L7400) processor, resistive T/S, slim combo
MPC170-831-FL1.06G-AC-CO	17" TFT fanless medical grade panel computer with ULV Intel® Celeron® M 1.06 GHz (423) processor, resistive T/S, slim combo
MPC170-831-FL1.5G-AC w/o CD-ROM	17" TFT fanless medical grade panel computer with LV Intel® Core™2 Duo 1.5 GHz (L7400) processor, resistive T/S, w/o Combo
MPC170-831-FL1.06G-AC w/o CD-ROM	17" TFT fanless medical grade panel computer with ULV Intel® Celeron® M 1.06 GHz (423) processor, resistive T/S, w/o Combo

DC Power Version

MPC170-831-FL1.5G-DC-CO	17" TFT fanless medical grade panel computer with LV Intel® Core™2 Duo 1.5 GHz (L7400) processor, resistive T/S, slim Combo
MPC170-831-FL1.06G-DC-CO	17" TFT fanless medical grade panel computer with ULV Intel® Celeron® M 1.06 GHz (423) processor, resistive T/S, slim Combo
MPC170-831-FL1.5G-DC w/o CD-ROM	17" TFT fanless medical grade panel computer with LV Intel® Core™2 Duo 1.5 GHz (L7400) processor, resistive T/S, w/o Combo
MPC170-831-FL1.06G-DC w/o CD-ROM	17" TFT fanless medical grade panel computer with ULV Intel® Celeron® M 1.06 GHz (423) processor, resistive T/S, w/o Combo

*Specifications and certifications are limited to optional.

**Combo: Combo drive includes DVD-R and CD-RW.

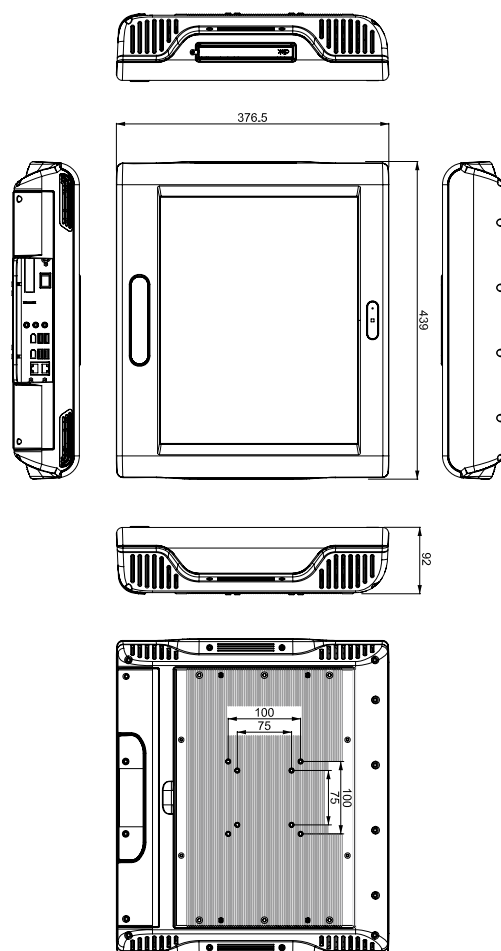
Optional Accessories

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

Optional OS Installation

Windows® XP
Linux kernel 2.6

Dimensions



Touch Panel
Computers for
Various Industry
Applications

Digital Signage
and Display
Solutions

Medical Panel
Computers

Medical Grade
Monitors

GOT Fanless
Touch Panel
Computers

Touch Panel
Computers for
Infotainment

Touch Panel
Computers for
Automation

Touch Panel
Monitors for
Automation