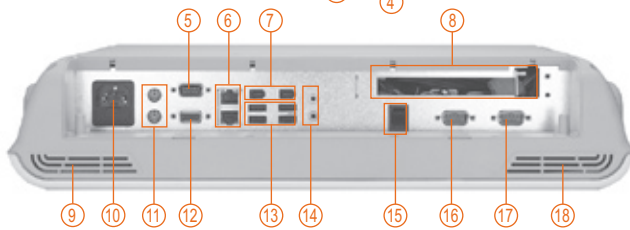


MPC170-831-FL

17" TFT Fanless Medical Grade Panel Computer with Intel® Core™2 Duo Processor up to 1.5 GHz



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|------------------------------|---------------------------|-----------------------------|--------------------|
| 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 (300 nits) SXGA TFT LCD
- ▶ Fanless LV Intel® Core™2 Duo or ULV Intel® Celeron® M processor
- ▶ Medical grade for e-healthcare terminal application
- ▶ UL60601-1/EN60601-1, CE & FCC class B certified
- ▶ Spill and dust resistant (front panel: IP65, whole enclosure: IPx1)
- ▶ Dual 10/100/1000Mbps Ethernet & dual IEEE 1394a ports
- ▶ Built-in CD-ROM drive (optional combo drive)
- ▶ 1 PCI expansion slot
- ▶ Built-in 1.3 mega pixels camera
- ▶ Built-in internal wireless (802.11 b/g) antenna (optional)



Compact CD-ROM drive



I/O cover

Introduction

The MPC170-831-FL is a high performance 17-inch fanless, ultra slim medical grade panel computer, which supports superior LV Intel® Core™2 Duo L7400 (1.5G) or ULV Celeron® M 423 (1.06G) processor. With fanless and waterproof design (front panel: IP65, whole enclosure: IPx1), the MPC170-831-FL is extremely reliable and offers low-noise operation for any medical environments. Powered by Intel® 945GME GMCH Gen 3.5 integrated graphic engine with maximum 224MB sharing graphic memory, this fanless panel computer has better graphic performance. The panel also supports DualView and multiple I/O options including 4 USB 2.0 and 3 RS-232, 2 IEEE 1394a. The built-in 1.3 mega pixels camera and microphone/speakers can offer the compact solution for VoIP, remote monitoring and telemedicine healthcare terminal. Furthermore, the MPC170-831-FL supports PCI interface for expansion, built-in slim CD-ROM drive (slim combo drive optional), internal

antenna for wireless (802.11b/g) expansion. Besides, the dual Gigabit Ethernet ports can provide the extremely high speed of Ethernet and high reliable redundancy host connection. The MPC170-831-FL is designed to work with noiseless, low power consumption, high reliability and high performance applications. Besides, excellent ID (industrial design) and user friendly interface design make the MPC170-831-FL perfect with super slim, professional outlook, better user interface, and excellent protection at once! This safe, reliable & user-friendly medical panel computer can ensure customer's project success and best suited for POC (Point of Care), excellent HMI for medical equipments, remote monitoring and health care terminals (Telemedicine).

Specifications

Front Bezel	Plastic ABS	
LCD Panel	Display Type	17" SXGA TFT
	Brightness (cd/m ²)	300 nits
	Resolution	1280 x 1024
	Viewing Angle (H/V)	160°/160°

Main System	CPU	Fanless LV Intel® Core™2 Duo L7400 or ULV Intel® Celeron® M 423 processor
	Chipset	Intel® 945GME GMCH Gen 3.5
	System Memory	Supports 2 x DDR2 DIMM memory up to 4GB (The actual max. capacity will be less depending on system configuration)
	Storage	Supports 1 x 2.5" SATA HDD
	Optical Drive	1 x compact 24X CD-ROM or optional 8X/24X combo drive
	Watchdog Timer	255 levels, 0~255 sec.

I/O Connectors	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
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

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

*Specifications and certifications are limited to optional.

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

Optional Accessories

VM-105	VESA ARM (wall-mount type)
VM-101	VESA ARM (clamp type)
Stand kit	

Optional EOS Installation

Windows® XP Embedded
Linux Embedded



Stand kit

Dimensions

