

# MPC175-851-FL

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



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.

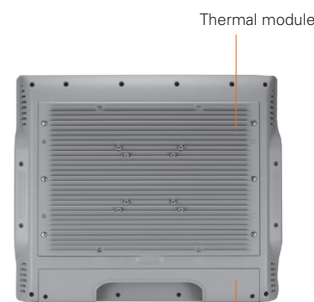
## Features

- 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

Compact Super Multi drive



▲ Rear view

Thermal module

I/O cover

## 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<br>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                                                       |

Specifications

|                     |                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| I/O Connector       | 1 x RS-232/422/485 (COM 1)<br>2 x USB 2.0<br>1 x Audio (Mic-in/Line-out)<br>2 x 10/100/1000Mbps Ethernet<br>1 x VGA                                      |
| Expansion Interface | 1 x PCI or PCIe x4 slot<br>(for MPC175-851-FL-AC-PCI or MPC175-851-FL-AC-PCle)                                                                           |
| Camera              | 1 x 1.3 mega pixels camera                                                                                                                               |
| Touchscreen         | Resistive type<br>Light transmission: 80%<br>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)<br>x 376.4 mm (14.81") (H)                                                                                     |
| Packing Dimensions  | 610 mm (24.02") (W) x 260 mm (10.24") (D)<br>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)<br>Storage Temperature: -20°C ~ +60°C (-4°F ~ +140°F)<br>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-PCle   | 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 |

Overview

Industrial Panel Computers & Monitors

Heavy-duty Fanless Touch Panel Computers

Digital Signage Solutions

Healthcare & Medical Solutions

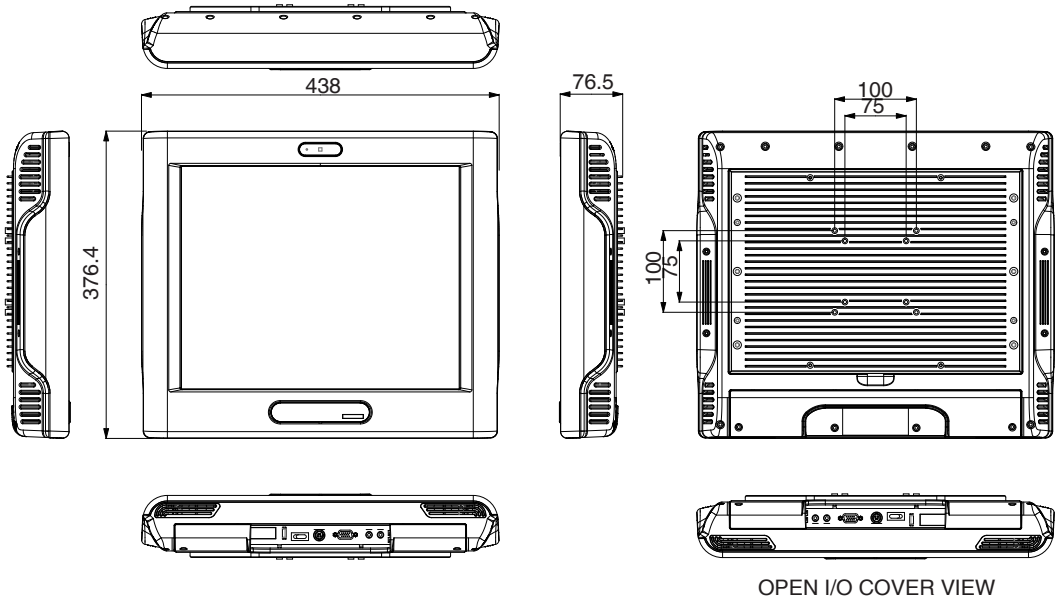
Open Frame Panel Computers

Accessories



▲ Stand kit

Dimensions



\* All specifications and photos are subject to change without notice.  
© 2014 Axiomtek Co., Ltd. All rights reserved.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.