

# MPC175-873

17" TFT Fanless Medical Grade Panel Computer with Intel® Core™ i7/ i5/ i3 Processor



## Features

- 17" (350 nits) SXGA TFT LCD
- Socket G2 (rPGA988B) 3rd Generation Intel® Core™ i7/ i5/ i3/ Celeron® processors
- Intel® QM77 PCH
- Isolated COM, USB and Ethernet ports
- USB 3.0 supported
- Water/dust-proof design (front bezel: IP65, full enclosure: IPX1)
- Optional 1 x PCI or PCIe x4 expansion slot
- Optional Bluetooth/WiFi (802.11 b/g/n)
- Built-in 5 mega pixels camera
- Touch screen on/off key for clean usage
- UL60601-1/EN60601-1, CE & FCC class B certified



▲ Side view



▲ Rear view



IP65

IPX1

Fanless

Low Power

DualView

DDR3

## Introduction

The MPC175-873 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. Isolated COM/USB/LAN port design provides electric leakage protection in medical environment. Powered by socket G2 3rd Generation Intel® Core™ i processor and PCI expansion slot, the MPC175-873 is definitely the best choice for your medical platform.

This platform complies with UL60601-1/EN60601-1, CE, FCC Class B certifications to ensure medical operation safety. It is outfitted with 17-inch wide view angle SXGA TFT LCD display. Additionally, the MPC175-873 offers flexible CPU selection with socket type which reduces cost, increases convenience over onboard CPU, and still maintains a fanless operation as well as long product life cycle. For expansion capability, the unit supports optional one PCI or PCIe x4 slot, and two mini card slot for video capture card, data acquisition card, WiFi, mSATA and more. The built-in 5 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/n) 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.

## Specifications

|             |                                 |   |
|-------------|---------------------------------|---|
| Front Bezel | Plastic ABS                     |   |
| LCD Panel   | Display Type                    | 17" SXGA TFT  |
|             | Brightness (cd/m <sup>2</sup> ) | 350 nits  |
|             | Resolution                      | 1280 x 1024   |
|             | Viewing Angle (H/V)             | 178°/178°   |
| Main System | CPU                             | Socket rPGA988B 3rd Generation Intel® Core™ i7/ i5/ i3/ Celeron® processors (Ivy Bridge), TDP up to 35W |
|             | Chipset                         | Intel® QM77 PCH   |
|             | System Memory                   | 2 x 204-pin DDR3 SO-DIMM max. up to 16 GB   |
|             | BIOS                            | AMI UEFI BIOS with OA 3.0 built   |
|             | Storage                         | 1 x 2.5" SATA HDD   |
|             |                                 | 1 x mSATA SSD (optional)  |
|             | Optical Drive                   | 1 x Super Multi drive (optional)  |
|             | Watchdog Timer                  | 255 levels, 0-255 sec.  |
|             | Onboard Graphics                | N/A   |

## Specifications

|                     |   |
|---------------------|---|
| I/O Connector       | 1 x RS-232/422/485 (isolated 4KV)<br>2 x 10/100/1000Mbps (isolated 4KV)<br>2 x USB 2.0 (isolated 4KV)<br>2 x USB 3.0<br>1 x Audio (Line-out)<br>1 x Audio (Mic-in)<br>1 x DisplayPort |
| Expansion Interface | 1 x PCI or 1 x PCIe x4 (optional) slot<br>2 x PCIe Mini Card slot   |
| Speaker             | 2 x 2W  |
| Camera              | 1 x 5M pixels camera  |
| Touchscreen         | 5-wire resistive type   |
| Function Key        | LCD brightness up/down, audio volume up/down, touch off/on  |
| 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)  | TBD   |
| Environment         | Operating temperature: 0°C ~ +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

|            |   |
|------------|---|
| MPC175-873 | 17" TFT 3rd Gen Intel® Core™-based fanless medical grade panel computer with resistive T/S, PCI expansion and Super Multi drive |
|------------|---|

\* 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          |
| Windows® 8          |
| Windows® Embedded 8 |

Overview

Industrial Panel Computers & Monitors

Heavy-duty Fanless Touch Panel Computers

Digital Signage Solutions

Healthcare & Medical Solutions

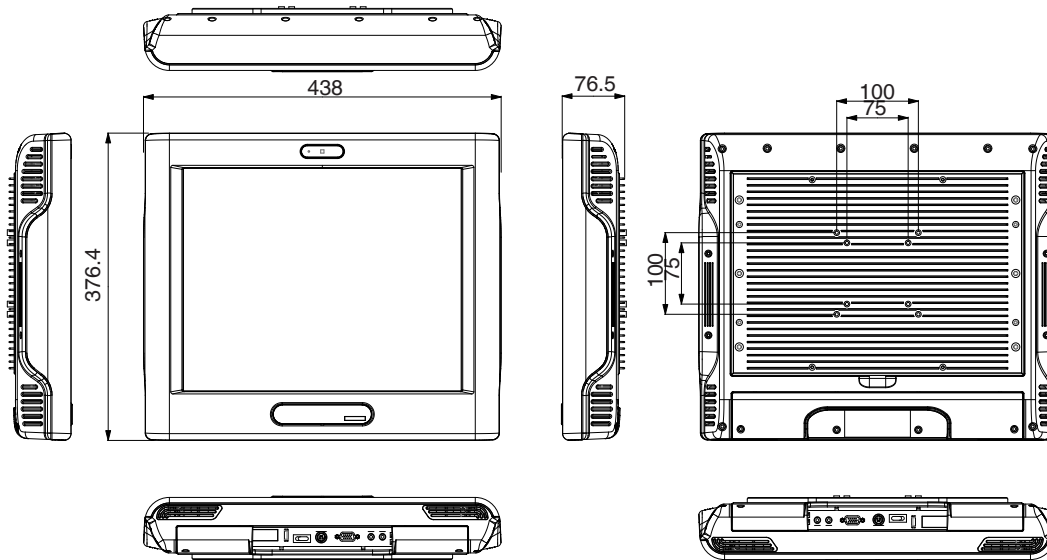
Open Frame Panel Computers

Accessories



▲ Stand kit

## Dimensions



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