

MPC175-873

17" SXGA TFT Fanless Medical Grade Panel Computer with 3rd Gen Intel® Core™ i7/i5/i3 & Celeron® Processor

Features

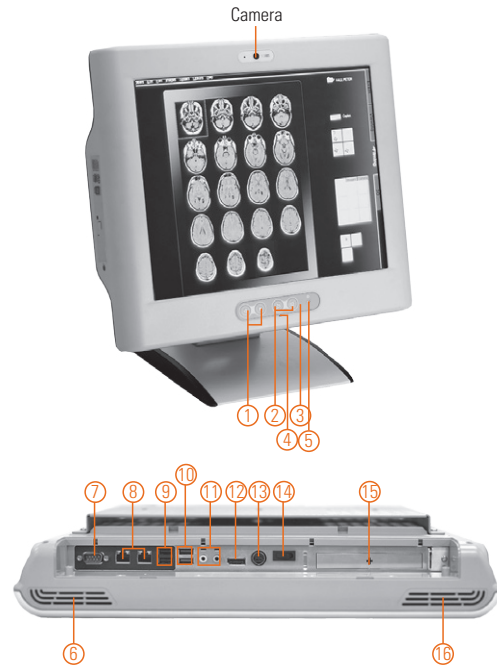
- 17" (350 nits) SXGA TFT LCD
- Socket rPGA988B 3rd gen Intel® Core™ i7/i5/i3 (Ivy Bridge) & Celeron® processor
- Intel® QM77 chipset
- Isolated COM, USB and Ethernet ports
- USB 3.0 supported
- IP65 front bezel and IPX1 full enclosure water/dust proof design
- Optional 1 x PCI or PCIe x4 expansion slot
- Optional Bluetooth/Wi-Fi (802.11 a/b/g/n)
- Built-in 5 mega pixels camera
- Touch screen on/off key for clean usage
- UL 60601-1/EN 60601-1, CE & FCC class B certified
- Supports optional wall mount/VESA arm/desktop stand



▲ Side view



▲ Rear view



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|--------------------------|------------------------------------|----------------------|
| 1. Brightness adjust +/- | 7. Isolated COM 1 (RS-232/422/485) | 13. Power connector |
| 2. Volume adjust | 8. Isolated Ethernet x 2 | 14. Power switch |
| 3. Power LED | 9. Isolated USB x 2 | 15. PCI or PCIe slot |
| 4. Mic | 10. USB 3.0 x 2 | 16. Speaker (L) |
| 5. Touch on/off button | 11. Audio (Line-out/Mic-in) | |
| 6. Speaker (R) | 12. DisplayPort | |

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 rPGA988B 3rd Generation Intel® Core™ i7/i5/i3 processor and PCI expansion slot, the MPC175-873 is definitely the best choice for your medical platform.

This medical panel platform complies with UL 60601-1, EN 60601-1, 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, Wi-Fi, 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 Wi-Fi (802.11 a/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

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|-------------|---------------------------------|---|
| Front Bezel | Plastic ABS | |
| LCD Panel | Display Type | 17" SXGA TFT |
| | Brightness (cd/m ²) | 350 nits |
| | Resolution | 1280 x 1024 |
| | Viewing Angle (H/V) | 178°/178° |
| Main System | CPU | Socket rPGA988B 3rd gen Intel® Core™ i7/i5/i3 & Celeron® processor, TDP up to 35W |
| | Chipset | Intel® QM77 |
| | System Memory | 2 x 204-pin DDR3-1333 SO-DIMM, up to 16GB |
| | BIOS | AMI UEFI BIOS with OA 3.0 built |
| | Storage | 1 x 2.5" 7/9.5mm SATA HDD 1 x mSATA SSD (optional) |
| | Optical Drive | 1 x Super multi drive (optional) |
| | Watchdog Timer | 255 levels, 0 ~ 255 sec. |
| | Onboard Graphics | Intel® HD Graphic |

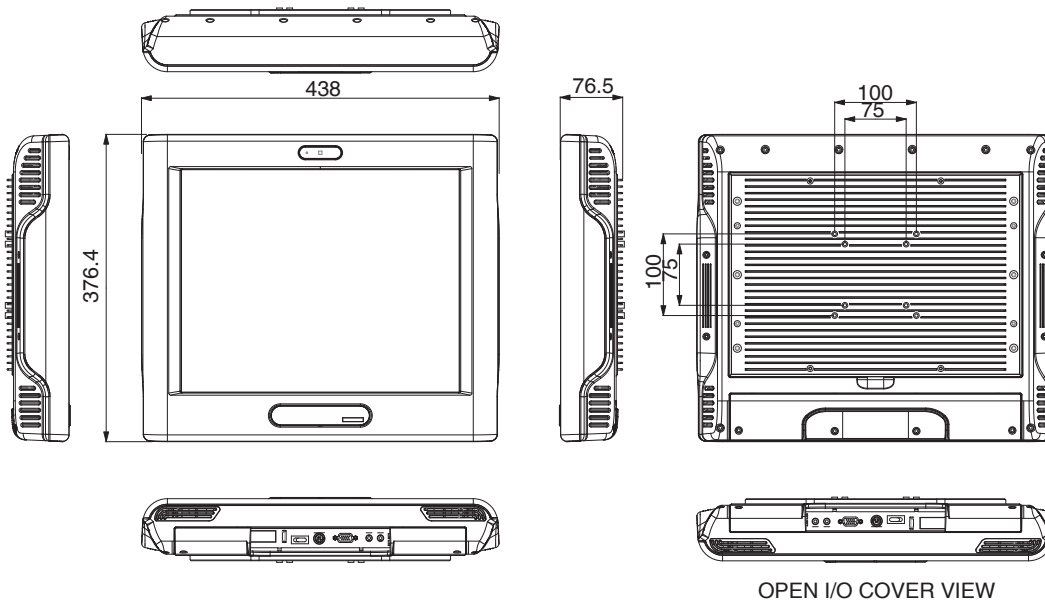
Specifications

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|---------------------|--|
| I/O Connector | 1 x RS-232/422/485 (COM 1 w/ isolated 4KV) 2 x 10/100/1000 Mbps Ethernet (isolated 4KV) 2 x USB 2.0 (isolated 4KV) 2 x USB 3.0 1 x Audio (Line-out) 1 x Audio (Mic-in) 1 x DisplayPort |
| Expansion Interface | 1 x PCI or 1 x PCIe x4 slot (optional) 2 x PCI Express 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) | 8.0 kg (17.63 lb)/ 11.9 kg (26.23 lb) |
| Environment | Operating temperature: 0°C ~ +40°C (+32°F ~ +104°F) Relative humidity: 20% ~ 90% @ +40°C; non-condensing |
| Certificate | CE, FCC class B, EN 60601-1, UL 60601-1 |



▲ Stand kit

Dimensions



Ordering Information

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|--------------------------|--|
| MPC175-873-NP-DRW | 17" SXGA fanless medical touch panel computer with Intel® Core™ processor, 5-wire resistive touch screen, super multi drive, AC-DC 110W medical grade power adapter (screw type connector), EMI class B and EN 60601-1 certified |
| MPC175-873-NP W/O DRW | 17" SXGA fanless medical touch panel computer with Intel® Core™ processor, 5-wire resistive touch screen, AC-DC 110W medical grade power adapter (screw type connector), EMI class B and EN 60601-1 certified |
| MPC175-873-UL-NP DRW | 17" SXGA fanless medical touch panel computer with Intel® Core™ processor, 5-wire resistive touch screen, super multi drive, AC-DC 150W medical grade power adapter (screw type connector), EMI class B, UL 60601-1 and EN 60601-1 certified |
| MPC175-873-UL-NP W/O DRW | 17" SXGA fanless medical touch panel computer with Intel® Core™ processor, 5-wire resistive touch screen, AC-DC 150W medical grade power adapter (screw type connector), EMI class B, UL 60601-1 and EN 60601-1 certified |

* Specifications and certifications may vary contingent on options.

**Super Multi drive includes DVD-R, DVD-RW and DVD-RAM.

Optional Accessories

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|-------------------------|-----------------------------------|
| E202003330 | VM-101 VESA ARM (clamp type) |
| E202003329 | VM-105 VESA ARM (wall mount type) |
| E228170100 | 17" stand kit |
| Wi-Fi i + Bluetooth kit | |

Optional OS Installation

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| Windows® XP |
| Windows® 7 |
| WES7 |
| Windows® 8.1 |
| WES8 |

