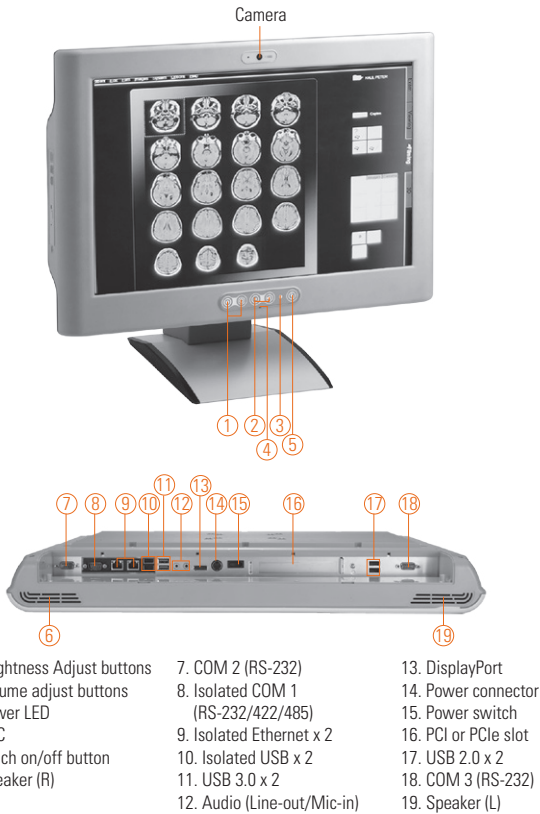


MPC225-873

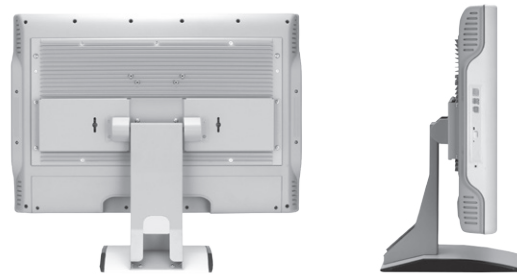
22" TFT Fanless Medical Grade Panel Computer with Intel® Core™ i7/i5/i3 & Celeron® Processor



- | | | |
|------------------------------|------------------------------------|----------------------|
| 1. Brightness Adjust buttons | 7. COM 2 (RS-232) | 13. DisplayPort |
| 2. Volume adjust buttons | 8. Isolated COM 1 (RS-232/422/485) | 14. Power connector |
| 3. Power LED | 9. Isolated Ethernet x 2 | 15. Power switch |
| 4. MIC | 10. Isolated USB x 2 | 16. PCI or PCIe slot |
| 5. Touch on/off button | 11. USB 3.0 x 2 | 17. USB 2.0 x 2 |
| 6. Speaker (R) | 12. Audio (Line-out/Mic-in) | 18. COM 3 (RS-232) |
| | | 19. Speaker (L) |

Features

- 22" (250 nits) WSXGA TFT LCD
- Socket rPGA988B 3rd Generation Intel® Core™ i7/i5/i3 (Ivy Bridge) & Celeron® processor
- Intel® QM77 chipset
- Isolated COM, USB and Ethernet ports
- USB 3.0 supported
- Water/dust-proof design (front bezel: IP65, full enclosure: IPX1)
- 1 PCI or PCIe x4 expansion slot and 2 PCIe Mini Card slots
- Optional Bluetooth/WiFi (802.11 a/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
- Supports optional wall mount, VESA arm and desktop stand



▲ Rear view

▲ Slim design



Introduction

The MPC225-873 is a 22-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. The 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 MPC225-873 is definitely the best choice for your medical computing platform.

This medical panel platform complies with UL60601-1, EN60601-1, CE, FCC Class B certifications to ensure medical operation safety. It is outfitted with 22-inch wide view angle WSXGA TFT LCD display. Additionally, the MPC225-873 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 one PCI or PCIe x4 slot and two mini card slots 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 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

| | | |
|-------------|---------------------------------|--|
| Front Bezel | Plastic ABS | |
| LCD Panel | Display Type | 22" WSXGA TFT |
| | Brightness (cd/m ²) | 250 nits |
| | Resolution | 1680 x 1050 |
| | Viewing Angle (H/V) | 178°/178° |
| Main System | CPU | Socket rPGA988B 3rd Generation Intel® Core™ i7/i5/i3 & Celeron® processor, TDP up to 35W |
| | Chipset | Intel® QM77 |
| | 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 | Intel® HD Graphic |

Specifications

| | |
|---------------------|--|
| I/O Connector | 2 x RS-232 (COM 2/3) 1 x RS-232/422/485 (COM 1 w/ isolated 4KV) 2 x 10/100/1000Mbps Ethernet (isolated 4KV) 2 x USB 2.0 (isolated 4KV) 2 x USB 2.0 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 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 | 573.5 mm (22.57") (W) x 75.9 mm (2.98") (D) x 398.9 mm (15.7") (H) |
| Packing Dimensions | 730 mm (28.74") (W) x 240 mm (9.45") (D) x 650 mm (25.59") (H) |
| Weight (net/gross) | 10.58 kg (23.32 lb)/ 15.16 kg (33.42 lb) |
| Environment | Operating temperature: 0°C ~ +40°C (+32°F ~ +104°F) Storage temperature: 0°C ~ +40°C (+32°F ~ +104°F) Relative humidity: 20% ~ 90% @ 40°C; non-condensing |
| Certificate | CE, FCC class B, EN60601-1, UL60601-1 |

Ordering Information

| | |
|------------|---|
| MPC225-873 | 22" TFT 3rd Gen Intel® Core™ i7/i5/i3 & Celeron® processor fanless medical grade panel computer with resistive T/S, PCIe or 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.

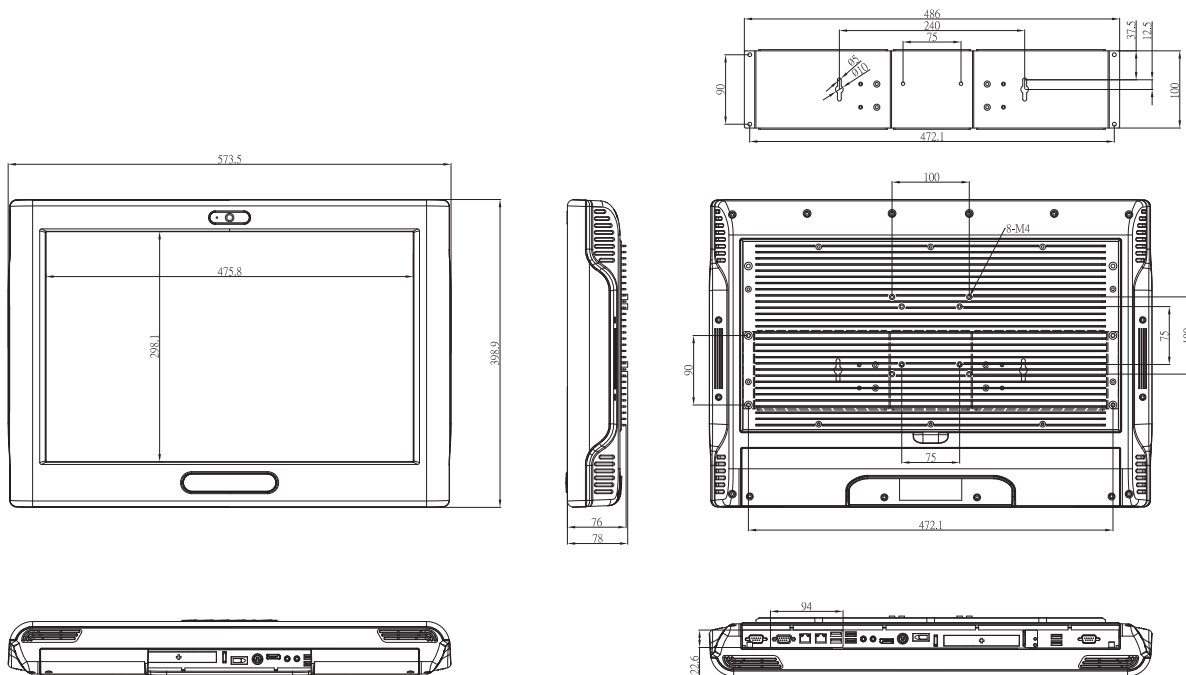
Optional Accessories

| | |
|------------|-----------------------------------|
| E202003330 | VM-101 VESA ARM (clamp type) |
| E202003329 | VM-105 VESA ARM (wall mount type) |
| E228170100 | 22" stand kit |

Optional OS Installation

| |
|--------------|
| Windows® XP |
| Windows® 7 |
| WES7 |
| Windows® 8.1 |
| WE8S |

Dimensions



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

