MPC102-832

10.4" SVGA TFT Medical Grade Fanless Touch Panel Computer with Intel® Atom™ Processor N2600

Features

- 10.4" SVGA TFT LCD display with LED backlight
- Fanless cooling system with Intel® Atom™ processor N2600
- UL 60601-1, EN 60601-1, CE and FCC certified
- IP65 front bezel and IPX1 full enclosure water/dust proof desian
- One on/off touch key
- Ultra slim thickness of 45.8 mm
- Super light weight of 1.8 kg
- Supports optional panel mount/wall mount/VESA arm/ desktop stand

















Introduction

The MPC102-832 is a 10.4" Intel® Atom™-based medical fanless grade touch panel computer which is well-suited for applications like medical image processing and medical measuring instrument. Especially designed for the medical environment, it adopts whole system IPX1 and front IP65 waterproof design which protects the entire system from outside liquid, preventing system from crashing. The cost-effective panel PC supports Intel® Atom™ processor N2600 1.6 GHz.

Super Slim & Ultra Lightweight Design

The MPC102-832 is a super slim touch panel computer for space-limited environment with the thickness of 45.8 mm and weight of 1.8 kg. Besides, it provides two types of power input. One is medical grade AC medical power adapter with screw type connector, and the other is DC power input (10~30 VDC) with terminal block connector (optional).

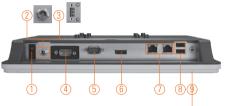
Built-in Internal WLAN Antenna

The MPC102-832 provides a PCI Express Mini Card slot and a built-in WLAN antenna for wireless network connections. By simply plugging in the wireless LAN card, customers can use the MPC102-832 in a wireless LAN/GPRS/ GSM/4G environments

Certifications

This 10.4-inch medical panel platform complies with UL 60601-1, EN 60601-1, CE, FCC Class B certifications to ensure medical operation safety.





- 1. Power switch (ATX)
- 2. Screw conn. w/ AC power adapter
- or 3. Terminal block for DC power input
- 4. Isolation COM 3 (RS-232) 5. COM 1 (RS-232/422/485)
- 6. DisplayPort
- 7. Ethernet x2
- 8. USB 2.0 x 2
- 9. Audio (Line-out)
- 10. Touch On/Off button

Specifications

Front Bezel	IP65, NEMA 4 rugged protection, plastic front bezel	
LCD Panel	Display Type	10.4" SVGA TFT LCD with LED
		backlight
	Brightness (cd/m²)	400 nits
	Resolution	800 x 600
	Viewing Angle (H/V)	140°/120°
Main System	CPU	Intel® Atom™ processor N2600
		dual-core @1.6 GHz
	Chipset	Intel® NM10
	System Memory	1 x 204-pin DDR3-800/1066 MHz SO-DIMM, up to 2GB
	BIOS	AMI UEFI BIOS
	Storage	1 x Half-slim SATA SSD
		1 x CFast™
	Watchdog Timer	255 levels, 0~255 sec.
	Onboard Graphics	Integrated in Intel® GFX

Specifications

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I/O Connector	1 x RS-232 (COM 3 w/4KV isolation) 1 x RS-232/422/485 (COM 1) 1 x DisplayPort 1 x Audio (Line-out) 2 x USB 2.0 2 x 10/100/1000 Mbps Ethernet (Intel® i210IT)	
Expansion Interface	1 x PCI Express Mini Card slot	
Touch screen	Resistive type	
Power Supply	AC version: medical grade 100-240 V AC-DC, 60 W power adapter DC version: 10-30 VDC with terminal block	
Dimensions	292.5 mm (11.52") (W) x 45.8 mm (1.80") (D) x 235.8 mm (9.28") (H)	
Packing Dimensions	415 mm (16.34") (W) x 100 mm (3.94") (D) x 315 mm (12.4") (H)	
Weight(net/gross)	1.8 kg (3.96 lb)/3 kg (6.61 lb)	
Environment	Operating temperature: 0°C ~ +40°C (+32°F ~ +104°F) Operation vibration: 2G, 5 ~ 500Hz, random for CFast TM	
Certificate	CE, FCC class B, UL 60601-1, EN 60601-1	
* The DC power course to	n ha used with MPC102 922 must be galvanically isolated	

^{*} The DC power source to be used with MPC102-832 must be galvanically isolated according to IEC60601-1 safety of medical devices!

Ordering Information

Standard		
MPC102-832-J	10.4" SVGA medical fanless touch panel computer with Intel® Atom™ processor N2600, 5-wire resistive touch screen, AC-DC 60 W medical grade power adapter (screw type connector), EMI class B, UL 60601-1 and EN 60601-1 certified	
MPC102-832-DC	10.4" SVGA medical fanless touch panel computer with Intel® Atom™ processor N2600, 5-wire resistive touch screen, 10~30 VDC power input (terminal block connector), UL 60601-1 and EN 60601-1 certified	

Optional

Wi-Fi + Bluetooth kit

Panel mount kit

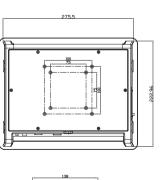
Optional EOS Installation

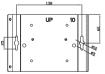
WES7 WES

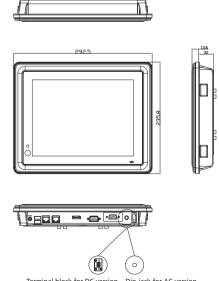
Optional OS Installation

Windows® 7 Windows® XP

Dimensions







Terminal block for DC version Din-jack for AC version



^{*} Specification and certifications are based on requirement and may vary.