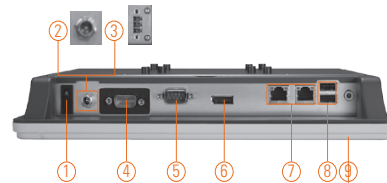


# MPC102-832

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 design
- 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



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



## 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.

## 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/m <sup>2</sup> )	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**

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	1. AC version: medical grade 100-240 V AC-DC, 60 W power adapter 2. 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™
Certificate	CE, FCC class B, UL 60601-1, EN 60601-1

\* 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

\* Specification and certifications are based on requirement and may vary.

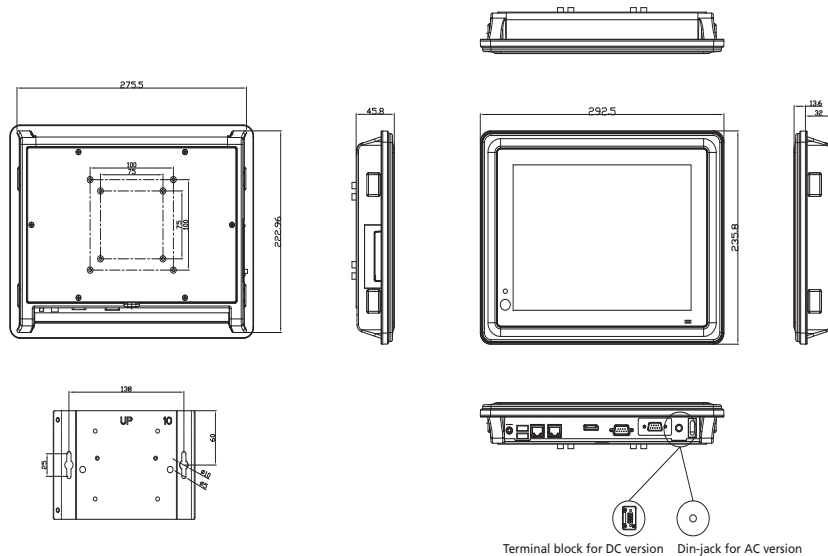
**Optional EOS Installation**

WES7  
WES

**Optional OS Installation**

Windows® 7  
Windows® XP

**Dimensions**



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



Medical Panel Computers

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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