

# MPC102-845

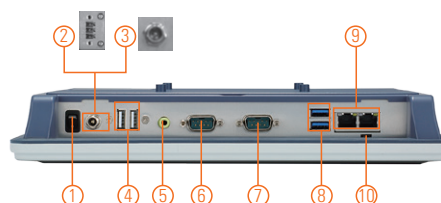
10.4" XGA TFT Fanless Medical Grade Touch Panel Computer with Intel® Celeron® Processor N3060

## Features

- 10.4" XGA TFT LCD display with LED backlight
- Fanless design with Intel® Celeron® processor N3060
- 2 GbE LAN, 4 USB and 2 COM
- Plastic and IP65-rated front bezel
- Supports RFID (optional)
- External AT/ATX mode selection switch
- Easy access storage design
- Supports panel mount, wall mount, VESA arm, and desktop stand
- 4th EN 60601-1, CE, and FCC certified



▲ Side view



1. Power switch (ATX)
2. Terminal block for DC power input
3. Screw connector with AC power adapter
4. 2 x USB 2.0
5. Audio (Line-out)
6. 1 x RS-232/422/485
7. 1 x RS-232
8. 2 x USB 3.0
9. 2 x LAN
10. AT/ATX selectable switch
11. Touch on/off button



## Introduction

The MPC102-845 is a 10.4" fanless medical touch panel computer. In response to market demand, this medical panel computer is a cost effective solution. It adopts a modern, super sleek and fanless design and is powered by the Intel® Celeron® processor N3060 dual core up to 2.48 GHz. For wireless network connection, the MPC102-845 offers 2 PCI Express Mini Card slots. By just plugging in the WLAN card, customers can have instant access to wireless LAN/GPRS/GSM/4G environments. Besides, it provides two types of power input: DC power with terminal block connector and AC power adapter with screw type connector.

### Super Slim & Ultra Lightweight Design

With a thickness of 45.8 mm and weight of 1.8 kg, the MPC102-845 is designed for use in space-constrained environments.

### Certifications

This 10.4-inch medical panel platform complies with 4th version of EN 60601-1, CE, and FCC Class B certifications to ensure medical operation safety.

### Aluminum Back Chassis with Excellent Thermal Solution

With Axiomtek's patent for plastic plus aluminum mechanism design, the MPC102-845 can dissipate the heat easily and keep the system operation stable.

## Specifications

|             |   |   |
|-------------|---|---|
| Front Bezel | IP65, NEMA 4 rugged protection, plastic front bezel |   |
| LCD Panel   | Display Type  | 10.4" XGA TFT LCD with LED backlight                        |
|             | Brightness (cd/m <sup>2</sup> )                     | 350 nits (XGA)  |
|             | Resolution  | 1024 x 768 (XGA)  |
|             | Viewing Angel (H/V)                                 | 150°/150°   |
| Main System | CPU   | Intel® Celeron® processor N3060<br>2 cores (up to 2.48 GHz) |
|             | System Memory                                       | 1 x 204-pin DDR3L-1600 SO-DIMM,<br>up to 8GB                |
|             | BIOS  | AMI UEFI BIOS   |
|             | Storage   | 1 x 2.5" SATA HDD (9.5 mm height)<br>1 x mSATA              |
|             | Watchdog Timer                                      | 255 levels, 0 to 255 sec.                                   |
|             | Onboard Graphics                                    | Integrated in Intel® GFX                                    |

## Specifications

|                       |  |
|-----------------------|--|
| I/O Connector         | 1 x RS-232<br>1 x RS-232/422/485 (default RS-232)<br>1 x Switch for power on/off<br>1 x AT/ATX mode selection switch<br>2 x USB 2.0<br>2 x USB 3.0<br>1 x Audio (Line-out)<br>2 x 10/100/1000 Mbps Ethernet (Intel® i211-AT) |
| Expansion Interface   | 1 x Full-size PCI Express Mini Card slot with mSATA<br>1 x Full-size PCI Express Mini Card slot with SIM   |
| Touchscreen           | Resistive type   |
| Power Supply          | AC version: 100 to 240 V AC-DC, 65W power adapter<br>DC version: 9 to 36 VDC with over current protection fuse   |
| Power Consumption     | 32W  |
| Dimension             | 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)  |
| Operating Temperature | 0°C to +40°C (+32°F to +122°F)   |
| Relative Humidity     | 20% to 90% @ +40°C; non-condensing   |
| Operation Vibration   | 2G, 5 - 500Hz, random for SSD  |
| Certifications        | 4th EN 60601-1 (ESD contact 8KV, air 15KV), CE and FCC   |

## Packing List

- 1 x MPC102-845
- 1 x Adapter (MPC102-845-J)
- 1 x Power cord (MPC102-845-J)
- 1 x Phoenix connector (MPC102-845 DC)

## Ordering Information

| Standard                           |   |
|------------------------------------|---|
| MPC102-845-DC<br>(P/N: E228102104) | 10.4" XGA fanless medical touch panel computer with Intel® Celeron® processor N3060, 5-wire resistive touch screen, and DC power input (terminal block connector)                   |
| MPC102-845-J<br>(P/N: E228102103)  | 10.4" XGA fanless medical touch panel computer with Intel® Celeron® processor N3060, 5-wire resistive touch screen, AC-DC 65W power adapter (screw type connector), and EMI class B |

\* Other configuration by request

\* Specification and certifications may vary based on different requirements

## Optional Accessories

| Wi-Fi + Bluetooth kit |                 |
|-----------------------|-----------------|
| 881281021A0E          | Panel mount kit |
| 881251001A0E          | Wall mount kit  |
| E226171119            | Stand kit       |
| 881251203A0E          | RFID kit        |

## Optional EOS Installation

|               |
|---------------|
| WES 7         |
| WE8S (64-bit) |

## Optional OS Installation

|                       |
|-----------------------|
| Windows® 7            |
| Windows® 8.1 (64-bit) |
| Windows® 10           |



▲ AC power adapter  
(for MPC102-845-J)

## Dimensions

