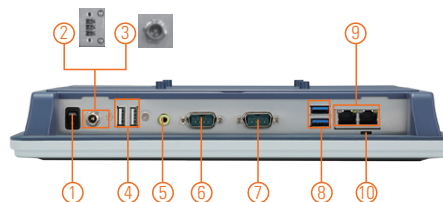# MPC102-845 NEW

10.4" XGA TFT Fanless 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 Gigabit LAN, 4 USB and 2 COM ports
- Plastic and IP65-rated front bezel
- Supports RFID (optional)
- External AT/ATX mode selection switch
- Easy access storage design
- Supports optional panel mount/wall mount/VESA arm/ desktop stand
- Adjust RS-232/422/485 setting via BIOS
- EN 60601-1, CE and FCC certified

▲ Side view

1. Power switch (ATX)
2. Power input connector (Screw)
3. Power input connector (Phoenix)
4. USB 2.0 x 2
5. Audio (Line-out)
6. COM 1 (RS-232/422/485)
7. COM 2 (RS-232)
8. USB 3.0 x 2
9. Ethernet (RJ-45)
10. AT/ATX selectable switch
11. Touch on/off button

| Fanless | Low Power | DDR3L | AiRD | IP65 | DualView |

Introduction

The MPC102-845 is a 10.4" Intel® Celeron®-based fanless touch panel computer. In response to market demand, this panel computer is a cost effective solution. It adopts a modern, super sleek and fanless design and is equipped with a 10.4" TFT LCD as well as 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 mini card WLAN card, customers can have instant access to wireless LAN/GPRS/GSM/4G environments. Besides, it provides two types of power input. One is DC power with terminal block connector, and another is AC power adapter with screw type connector.

Super Slim & Ultra Lightweight Design
The MPC102-845 is a super slim touch panel computer for space-limited environment with its thickness of 45.8 mm and weight of 1.8 kg only, which make it installed everywhere.

Certifications
This 10.4-inch medical panel platform complies with 4th version of EN 60601-1 and CE, 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^2)	350 nits (XGA)
	Resolution	1024 x 768 (XGA)
	Viewing Angel (H/V)	150°/150°
Main System	CPU	Intel® Celeron® processor N3060 2 cores (up to 2.48 GHz)
	System Memory	1 x 204-pin DDR3L-1600 MHz SO-DIMM, up to 8GB
	BIOS	AMI UEFI BIOS
	Storage	1 x 2.5" SATA HDD 1 x mSATA
	Watchdog Timer	255 levels, 0 ~ 255 sec.
	Onboard Graphics	Integrated in Intel® GFX

Specifications

I/O Connector	1 x RS-232 (COM 2) 1 x RS-232/422/485 (default RS-232, COM 1) 1 x Switch for power on/off 1 x AT/ATX mode selection switch 2 x USB 2.0 2 x USB 3.0 1 x Audio (Line-out) 2 x 10/100/1000 Mbps Ethernet (Intel® i211AT)
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA slot 1 x full-size PCI Express Mini Card slot with SIM slot
Touchscreen	Resistive type
Power Supply	1. AC version: 100 ~ 240 V AC-DC, 60W power adapter or 2. DC version: 9 ~ 36 VDC with over current protection fuse
Power Consumption	32 W
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)
Environment	Operating temperature: 0°C ~ +40°C (+32°F ~ +122°F) (with W.T. DRAM/HDD in airflow condition) 0°C ~ +45°C (+32°F ~ +113°F) (with W.T. DRAM/HDD) Relative humidity: 20% ~ 90% @ 40°C; non-condensing Operation vibration: 2G, 5 ~ 500Hz, random for SSD
Certificate	EN 60601-1, CE and FCC

Ordering Information

Standard

MPC102-845-J	10.4" XGA fanless touch panel computer with Intel® Celeron® processor N3060, 5-wire resistive touch screen, AC-DC 60W power adapter (screw type connector) and EMI class B
MPC102-845-DC	10.4" XGA fanless touch panel computer with Intel® Celeron® processor N3060, 5-wire resistive touch screen and DC power input (terminal block connector)

Optional

Wi-Fi + Bluetooth kit
Panel mount kit
VESA mount kit
Stand kit
RFID kit

* Specification and certifications are based on requirements and may vary.

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

CUTOUT Dim.