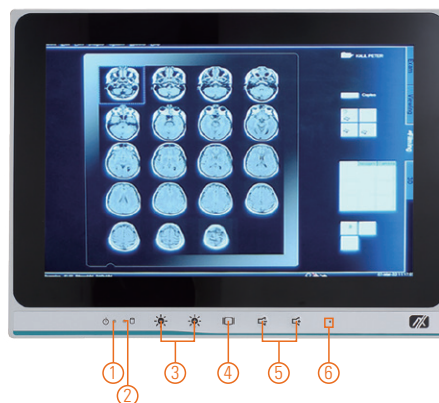# MPC103-845 NEW

10.1" WXGA TFT Fanless Medical Grade Touch Panel Computer with Intel® Celeron® Processor N3060
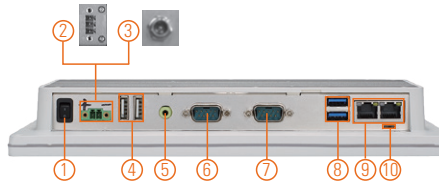
Features

- 10.1" WXGA TFT LCD display with LED backlight
- Fanless design with Intel® Celeron® processor N3060
- 2 GbE LANs, 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 optional panel mount/wall mount/VESA mount/ desktop stand
- Adjust RS-232/422/485 setting via BIOS
- 4th EN 60601-1 (ESD contact 8KV, air 15KV), CE and FCC

1. Power LED
2. HDD LED
3. Brightness adjust +/-
4. Display on/off
5. Volume adujst
6. Min-in (optional)

▲ Side view

Fanless Low Power DDR3L AiRD IP65

1. Power switch (ATX)
2. Terminal block for DC power input or
3. Screw conn. w/AC power adapter
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 x 2
10. AT/ATX switch

Introduction

The MPC103-845 is a 10.1" Intel® Celeron®-based 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 equipped with a 10.1" TFT LCD as well as Intel® Celeron® processor N3060 dual core up to 2.48 GHz. For wireless network connection, the MPC103-845 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 MPC103-845 is a super slim medical touch panel computer for space-limited environment with its thickness of 38 mm and weight of 1.08 kg only, which make it installed everywhere.

Certifications
This 10.1-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 MPC103-845 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	10.1" WXGA TFT LCD with LED backlight
	Brightness (cd/m^2)	350 nits
	Resolution	1280 x 800
	Viewing Angel (H/V)	170°/170°
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 half-slim SATA SSD (for MPC103-845-PCT-J, optional) 1 x mSATA
	Watchdog Timer	255 levels, 0 ~ 255 sec.
	Onboard Graphics	Integrated in Intel® GFX

Updated Aug. 16, 2018.   * All specifications and photos are subject to change without notice.   www.axiomtek.com   © 2018 Axiomtek Co., Ltd. All rights reserved.

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® i211-AT)
Expansion Interface	1 x full-size PCI Express Mini Card slot with mSATA 1 x full-size PCI Express Mini Card slot with SIM
Touchscreen	Projected capacitive multi-touch
Power Supply	1. AC version: 100 ~ 240 VAC-DC, 65W power adapter or 2. DC version: 9 ~ 36 VDC with over current protection fuse
Power Consumption	40.32 W
Dimension	387.9 mm (15.27") (W) x 54.6 mm (2.14") (D) x 307.7 mm (12.11") (H)
Packing Dimensions	510 mm (20.08") (W) x 105 mm (4.13") (D) x 385 mm (15.16") (H)
Weight (net/gross)	1.08 kg (2.38 lb)/2.18 kg (4.8 lb)
Environment	Operating temperature: 0°C ~ +40°C (+32°F ~ +122°F) Relative humidity: 20% ~ 90% @ +40°C; non-condensing Operation vibration: 2G, 5 ~ 500Hz, random for SSD
Certificate	4th EN 60601-1 (ESD contact 8KV, air 15KV), CE and FCC

Ordering Information

Standard

MPC103-845-J	10.1" WXGA fanless medical touch panel computer with Intel® Celeron® processor N3060, projected capacitive touch screen, AC-DC 65W power adapter (screw type connector) and EMI class B
MPC103-845-DC	10.1" WXGA fanless medical touch panel computer with Intel® Celeron® processor N3060, projected capacitive touch screen and DC power input (terminal block connector)

Optional

Wi-Fi + Bluetooth kit
Panel mount kit
Wall 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 MPC103-845-J)

Dimensions