

PPC-2176 Rugged 17" Panel PC



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Intel® Celeron® 827E 1.4 GHz / Core™ i7-2610UE 1.5 GHz

17" TFT LCD Interface

IP65 Aluminum Die Cast Front Bezel

Up to 8 GB DDR3

4x RS-232

1x 2.5 Inch SATA Hard Disk Drive/ CFast™ Slot (Internal)

6x USB 2.0 Ports (2x Easy Access Front USB Ports)

2x 10/100/1000 Base-T with RJ-45

1x PCIe Mini-Card

1x VGA

Audio with Line out, Line in and Microphone

5-wire Analog Resistive Touch Screen (2048 x 2048)

Max. Resolution: 1280x1024

Max. Colors: 16.7M colors

Luminance: 350 cd/m²

Viewing Angle: 170°(H)/160°(V)

Back Light LED

Back Light MTBF 50,000 Hours

Light Transmission: > 80%

Life Times: 10 Million Touch

IP65 Aluminum Die Cast Front Bezel

Watchdog

AMI BIOS

Power Requirments: 9~30V DC input, w/3-pin terminal block: over-voltage protection; low-voltage protection; reverse protection, surge protection

Operating Temperature: -4°F ~ 140°F (-20°C ~ 60°C) w/o Airflow,

-4°F ~ 131°F (-20°C ~ 55°C) with Core™ i7, w/o Airflow

Operating Humidity: 5% to 95%@ 40oC, non-condensin

Dimensions: 16.54" x 14.09" x 3.82" (420mm x 358mm x 97mm)

The PPC-2176 operator panel is an onboard Intel® Celeron® 827E 1.4GHz processor computer that is designed to serve as a human machine interface (HMI). It is a PC-based system with 17" color TFT LCD display, onboard Ethernet controller, multi-COM port interfaces and an audio controller. With a built-in CFast™ socket, the PPC-2176 is as compact and user friendly as a multi-function computer. In addition, its "fit anywhere" design makes it very flexible and able to be used in many different kinds of installations. It can be Panel / VESA / Wallmounted. For system integrators, this simple, complete, compact and highly integrated system let you easily build an operator panel into your applications. Common industrial applications include factory automation systems, precision machinery, and production process control. It is also suitable for many non-industrial applications, including vending machine, and car park automation. Our operator panel is a reliable, cost effective solution to your application's processing requirements.

Specifications

Panel PC type:

Enclosed PPC

Processor

Processor:

Intel® Celeron® 827E 1.4 GHz / Core™ i7-2610UE 1.5 GHz

Clock Speed:

1.5 GHz

Real Time Clock:

Processor Misc.:

Onboard Intel®

Celeron® 827E, 1.4 GHz

Core™ i7-2610UE, 1.5 GHz

Memory

BIOS/ Bootloader:

AMI BIOS

Primary Flash:

CFAST

Secondary Flash:

1x 2.5 inch SATA HDD/SSD or DOM

Primary I/O
Video Out.

1x VGA

Audio:

1x Line-out

1x Line-In

and 1x Microphone in

Ethernet:

2x 10/100/1000 Base-T with RJ-45

USB:

6x USB 2.0 Ports

Serial Ports:

4x RS-232

Watchdog:

Secondary I/O
L1 I/O Out.

Keypad:

PS/2:

Touch:

5-wire Analog Resistive Touch Screen (2048 x 2048)

Secondary I/O Misc.:

Light Transmission: > 80%

Life Times: 10 Million Touch

Expansion
Bus.

1x PCIe Mini-Card

Analog
A/D.

D/A:

Dimensions
Dimensions.

16.54 × 14.09 × 3.82 in

Weight:

23.1 lb

Dimensions Misc.:

16.54" x 14.09" x 3.82" (420mm x 358mm x 97mm)

Power Requirements
Power Misc.

9~30V DC input, w/3-pin terminal block: over-voltage protection; low-voltage protection; reverse protection, surge protection

Environmental
Low Operating Temperature:

-20 C

High Operating Temperature:

60 C

Upper Operating Humidity:

95%

Environmental Misc.:

Operating Temperature

-4°F ~ 140°F (-20°C ~ 60°C) w/o Airflow

-4°F ~ 131°F (-20°C ~ 55°C) with Core™ i7, w/o Airflow

Operating Humidity
5% to 95%@ 40oC, non-condensin

Pricing
Product variations:

PPC-2176HTT-A1-1011

17" Rugged fanless.Touch Panel.Computer w/ Intel i7-2610UE.onboard 2G RAM
\$1,968.67

Order:

0

Parent Product:

PPC-2176HTT-A2-1011

17" Rugged Fanless.Touch Panel.Computer w/Intel 827E Onboard, 2G RAM
\$1,521.69

Order:

0

Parent Product:

Disk Interface:

1x 2.5 Inch SATA Hard Disk Drive/ CFast™ Slot (Internal)

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