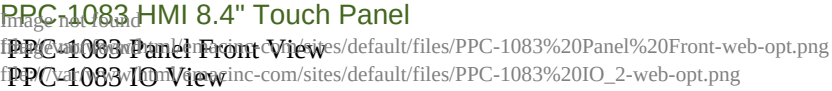
Published on EMAC Inc. (https://www.emacinc.com)
Source URL: https://www.emacinc.com/content/ppc-1083-hmi-84-touch-panel

PPC-1083 HMI 8.4" Touch Panel



PPC-1083 Panel Front View
PPC-1083 IO View

8.4 ” SVGA HMI Touch Panel PC

Intel® Atom™ D2550, 1.86 GHz

Up to 4 GB DDR3 8000/1066 MHz RAM

1x RS-232, 1x RS-232/422/485

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

2x USB 2.0 Ports

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

1x Mini-Card

IP65 Front bezel

Display Type: 8.4" TFT-LCD

Max. Resolution: 800 x 600

Max. Colors: 262K

Luminance: 450 cd/m2

Viewing Angle: 160°(H) 140°(V)

Back Light: LED

Back Light MTBF Hours: 50,000

Touchscreen Type: 5-wire Analog Resistive

Light Transmission: >80%

Life Time: 10 Million Times Activations

1x VGA

1x Power Input

1x Power Button

Power Requirements: DC 12V w/ 2-pin terminal block

Operating Temperature: 32°F ~ 131°F (0°C ~ 55°C) w/ Airflow & 32°F ~ 122°F (0°C ~ 50°C) w/o Airflow

Weight: 4.4 lb (2Kg)

Dimension 9.65” x 7.2” x 2.67” (245mm x 183mm x 67.9mm)

The PPC-1083 operator panel is an Intel® Atom™ D2550 1.86 GHz processor computer that is designed to serve as a human machine interface (HMI). It is a PC-based system with 8.4" color TFT LCD display, onboard Ethernet controller, multi-COM port interfaces and an audio controller. With a built-in CFast socket, the PPC-1083 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 VESA 75 mounted or Panel mounted. 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® Atom™ D2550
Clock Speed:
1.86 GHz
Real Time Clock:

Memory

BIOS/ Bootloader:
AMI BIOS
Primary Flash:
CFAST
Secondary Flash:
1 x 2.5 Inch SATA

Primary I/O

Video Out:
1x VGA
Ethernet:
2x 10/100/1000 Base-TX with RJ-45
USB:
2x USB 2.0 Ports
Serial Ports:
1x RS-232 & 1x RS-232/422/485
Watchdog:

Secondary I/O

LPT Port:
Keypad:
PS/2:
Touch:
5-wire Analog Resistive Touch Screen

Expansion

Bus:
1x Mini-Card

Analog

A/D:
D/A:

Dimensions

Dimensions:
9.65 × 7.2 × 2.67 in
Weight:
4.4 lb
Dimensions Misc.:
Dimensions: 9.65” x 7.2” x 2.67” (245mm x 183mm x 67.9mm)

Power Requirements

Power Misc.:
Power Requirements: DC 12V w/ 2-pin terminal block

Environmental

Low Operating Temperature:
0 C
High Operating Temperature:
55 C
Upper Operating Humidity:
90%
Environmental Misc.:
Operating Temperature: 32°F ~ 131°F (0°C ~ 55°C) w/ Airflow & 32°F ~ 122°F (0°C ~ 50°C) w/o Airflow
Storage Temperature -4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity 5%~90% @40°C, non-condensing

Pricing

Product Variations:
PPC-1083HTT-A1-1010
HMI PPC ATOM D2550 1.8GHz.8.4" LCD with 450 nits Luminance, 12V, 5-wire Resistive Touch, 2G RAM
$931.33
Order:
0
Parent Product:

Disk Interface:
2.5 Inch SATA Hard Disk Drive / CFast™ Slot (Internal)

Source URL: https://www.emacinc.com/content/ppc-1083-hmi-84-touch-panel