

PPC-3100S



10.4" TFT SVGA LED Panel with resistive touchscreen

Embedded Intel® Celeron® N2930 1.83 GHz Quad Core CPU

System memory up to 8 GB DDR3 1066 SDRAM

Supports one internal SATA 2.5" HDD and 1 x mSATA socket

Fanless design and low power consumption

Dual Intel I211 10/100/1000 Mbps Ethernet with RJ45 jacks

Automatic data flow control over RS-485

Adjust RS-232/422/485 through BIOS

LED backlight Auto dimming

IP65 Compliant Front Panel

Relative Humidity 10 ~ 95% @ 40° C (non-condensing)

Vibration Protection Operating Random Vibration Test 5~500Hz, 1Grms, follow IEC 60068-2-64

Shock Protection Operating 10 G peak acceleration (11 ms duration), follows IEC 60068-2-27

Operating Temperature = 0 ~ 50°C (32 ~ 122°F)

Storage Temperature = -20 ~ 60°C (-4 ~ 140°F)

PPC-3100 is an Intel Atom processor based Panel PC with a bright 10" LCD display. The powerful Atom CPU and Intel NM10 chipsets bring the most dynamic applications to life without sacrifices to any industrial reliability. The Internal Mini SATA interface can serve as an alternate HDD solution for OS booting and the Mini PCIe interface can be used by many expansion cards such as a wireless LAN card to extend device mobility. In order to satisfy customers' security concerns, PPC-3100 is also offered in a two Gigabit LAN port

configuration. Four serial ports and four USB V2.0 ports give the PPC-3100 advanced application capability.

Specifications

Panel PC type.

Enclosed DDG

Processor

Processor.

Intel Celeron N2930 Quad Core CPU

Clock Speed:

1.83 GHz

Real Time Clock:

Memory

BIOS/ Bootloader:

AMI BIOS

Primary Flash:

1x 2.5 Inch SATA SSD/HDD

Secondary Flash:

1x mSATA

Primary I/O

GPIO.

8 pin programable DB9 GPIO port

Video Out:

1 x DB15 VGA

Audio:

1 x Line-out

1x MIC-in

Ethernet:

2x 10/100/1000 Mbps RJ45 Intel I211

USB:

1x USB 3.0 & 2x USB 2.0

Serial Ports:

2x RS232

(1x RS232/422/485)

Watchdog:

Secondary I/O

LFI Port.

Keypad:

PS/2:

Touch:

12-Bit 4, 5, 7 or 8 wire analog resistive Touchscreen interface

Expansion

Bus.

1x Mini PCIe expansion slot

Analog

A/D.

D/A:

Dimensions

Dimensions.

10.7 × 8.5 × 1.8 in

Weight:

1.9 kg

Power Requirements

Power misc..

12 ~ 24 VDC

16 W typical

Environmental
Low Operating Temperature:

0 C

High Operating Temperature:

50 C

Upper Operating Humidity:

95%

Environmental Misc.:

Operating Temperature = 0 ~ 50°C (32 ~ 122°F)

Storage Temperature = -20 ~ 60°C (-4 ~ 140°F)

Front Panel Protection - IP65 Compliant

Pricing
Product variations:

PPC-3100S-RAE

PPC-3100, Celeron N2930 4x1.83Ghz, 10.4" SVGA, touch, 4x COM, 2x GigLAN, without memory

\$850.00

Order:

0

Parent Product:

Disk Interface:

1 x 2.5 Inch SATA & 1x mSATA

Source URL: <https://www.emacinc.com/content/ppc-3100s>