

PPC-3120S TFT XGA 12.1" Touch



12.1" TFT XGA LCD 5 wire- Resistive Touch Screen

IP65 compliant Front Panel

Embedded Intel® Celeron™ Quad Core processor N2930 at 1.83 GHz

up to 8 GB DDR3 1333 MHz SDRAM

2x Serial Ports (1x RS-232/422/485, 1x RS232)

1x USB 3.0 & 2x USB 2.0 Ports

2x Gigabit Ethernet

1x 2.5 Inch SATA HDD Bay (Internal), mSATA

1x MINI PCI-e (Standard), 1x PCI / 1x PCI-e through riser (Optional)

1x VGA port

1x 8-Pin Programmable GPIO Port

1x Line-out, 1x Mic-in, 2x (1x W speaker) Internal

Watchdog Timer

Display Type: 12.1" TFT LCD (LED Backlight)

Max. Resolution: 1024 x 768

Colors: 16.2M

Dot Size: 0.24 x 0.24mm

Viewing Angle: 80 (left), 80 (right), 70 (up), 70 (down)

Luminance: 600 cd/m2

Brightness Control: Yes

Backlight Lifetime: 50,000 hrs (typical)

Touch Screen Type: 5-wire Analog Resistive

Resolution: 2048 x 2048

Light Transmission: 81+/-3%

Controller: RS-232 interface

Software Driver Support: Windows 7, XP, CE

Durability Touches: 36 million

Power Requirements: DC 12 ~ 30 V

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

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

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

Weight 3.3 kg (7.27 lb)

Dimensions: (W x H x D) 325 x 253.8 x 58.4 mm (12.79" x 10" x 2.3")

The PPC-3100/3120 is an Intel Atom processor based panel PC with a 10.4" / 12.1" color LCD display. The powerful D2550 and Intel NM10 chipsets bring the most dynamic applications to life without sacrifices to any industrial reliability. The internal mini SATA card interface can serve as an alternative HDD solution for OS booting and the mini PCI 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-3100/3120 also offers 2 Giga LAN configuration. What's more, 4 serial ports and 4 USB V2.0 ports give the PPC-3100/3120 advanced versatile applications.

Specifications
Panel PC type.

Enclosed PPC
Processor

Processor:
Embedded Intel® Celeron® Quad Core N2930 Processor

Clock Speed:
1.83 GHz

Real Time Clock:
Memory
BIOS/ Bootloader:
AMI BIOS

Primary Flash:
mSATA

Secondary Flash:
1x 2.5 inch SATA HDD/SSD or DOM

Primary I/O
GPIO:
1x 8-Pin Programmable GPIO Port

Video Out:
1x VGA port

Audio:
1x Line-out
1x MIC-in
2x (1x W speaker) Internal

Ethernet:
2 x Gigabit Ethernet Intel i211

USB:
1x USB 3.0 & 2x USB 2.0 Ports

Serial Ports:
2x Serial Ports (1x RS-232/422/485
1x RS232)

Watchdog:
Secondary I/O
LFI Port.

Keypad:
PS/2:
Touch:
12.1

Expansion
Bus:
1x MINI PCI-e (Standard)
1x PCI / 1x PCI-e through riser (Optional)

Analog
A/D:
D/A:

Dimensions
Dimensions:
12.5 × 9.7 × 1.9 in

Weight:
2.1 kg

Dimensions Misc.:
Dimensions: (W x H x D) 325 x 253.8 x 58.4 mm (12.79" x 10" x 2.3")

Power Requirements
Power Misc.:

Power Requirements: DC 15~ 24 Vdc 18W

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)

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

Pricing
Product Variations:

PPC-3120-EXPE

CIRCUIT MODULE PCI/PCIe Expansion Kit for PPC-3120

\$95.00

Order:

0

Parent Product:

PPC-3120S-RAE

PPC-3120S-RAE, Celeron N2930 4x1.83Ghz, 12.1" XGA, Touch, 2x COM, 1x USB3, 2x USB2, 2x GbE, without memory

\$950.00

Order:

0

Parent Product:

Disk Interface:

1x 2.5 Inch SATA HDD Bay (Internal) & mSATA

Source URL: <https://www.emacinc.com/content/ppc-3120s-tft-xga-121-touch>