

DATENBLATT

PICE-PPC2140P

HABEN SIE FRAGEN ODER WÜNSCHEN SIE EIN INDIVIDUELLES ANGEBOT?

Unser Team berät Sie gerne persönlich.

TELEFON + 49 (0) 81 41/36 97-0

TELEFAX + 49 (0) 81 41/36 97-30

E-MAIL info@plug-in.de

WWW.PLUG-IN.DE

ADRESSE

Am Sonnenlicht 5

D-82239 Alling bei München



PICE-PPC2140P

21.5" TFT WXGA 16:9 Heavy Industrial Panel PC
with Intel® Celeron® quad core processor J1900, up to 2.42GHz,
Multi-Touch Screen, 4GB DDR3L, 3 x USB, 2 x COM and Fieldbus Port



Main Features

- Intel® Celeron® quad core processor J1900, up to 2.42GHz, 2M L2 Cache
- Metal housing with robust aluminum front zero bezel for harsh environment
- 10 points P-Cap multi-touch with zero bezel flush front design
- Dual GbE/2nd display-VGA/ Line-out/PS2 KB/MS
- 3 x USB/2 x mini-PCIe sockets/1 x CFast/2 x RS232/422/485
- DDR3L 4GB/2.5" HDD bracket
- IP66 compliant front panel
- Support fieldbus module (optional)
- Mounting support: panel/wall/stand/VESA 100mm x 100mm
- Wide range power input 12~30VDC

Product Overview

The 21.5" fanless panel PC PICE-PPC2140P incorporating an industrial motherboard is intended for versatile industrial applications. The panel PC has a touch screen LED backlight LCD panel with 1920 x 1080 (Full HD) resolution. The front panel which adopts flush design and complies with IP66 standard makes it the perfect fit in industrial applications.

The PICE-PPC2140P supports WWAN/WLAN expansion and others via dual Gigabit Ethernet connectors, two mini-PCIe slots and one SIM card holder. With support for wide power input of 12~30VDC, PICE-PPC2140P can gain a strong foothold in industrial field and machine devices. In addition, PICE-PPC2140P can hook 2nd display via a VGA port for dual independent display. PICE-PPC2140P has two isolated RS232/422/485 ports and optional fieldbus ports.

Specifications

Panel

- LCD size: 21.5", 16:9
- Resolution: Full HD 1920x1080
- Luminance: 300cd/m2
- Contrast ratio: 5000
- LCD color: 16.7M
- Viewing angle: 89 (U), 89 (D), 89 (L), 89 (R)
- Backlight: LED

Touch

- Ten points P-Cap (Projected Capacitive Touch)
- Touch light transmission: 87%
- Anti-scratch surface: 7H hardness
- Touch interface: USB
- Windows 8 compliance

System

- CPU: onboard Intel® Celeron® Quad Core processor J1900, 2.0GHz, 2M L2 Cache (maximum frequency 2.42GHz if turbo boost enabled)
- BIOS: AMI BIOS
- System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 4GB DDR3L-1066/1333, non-ECC and un-buffered

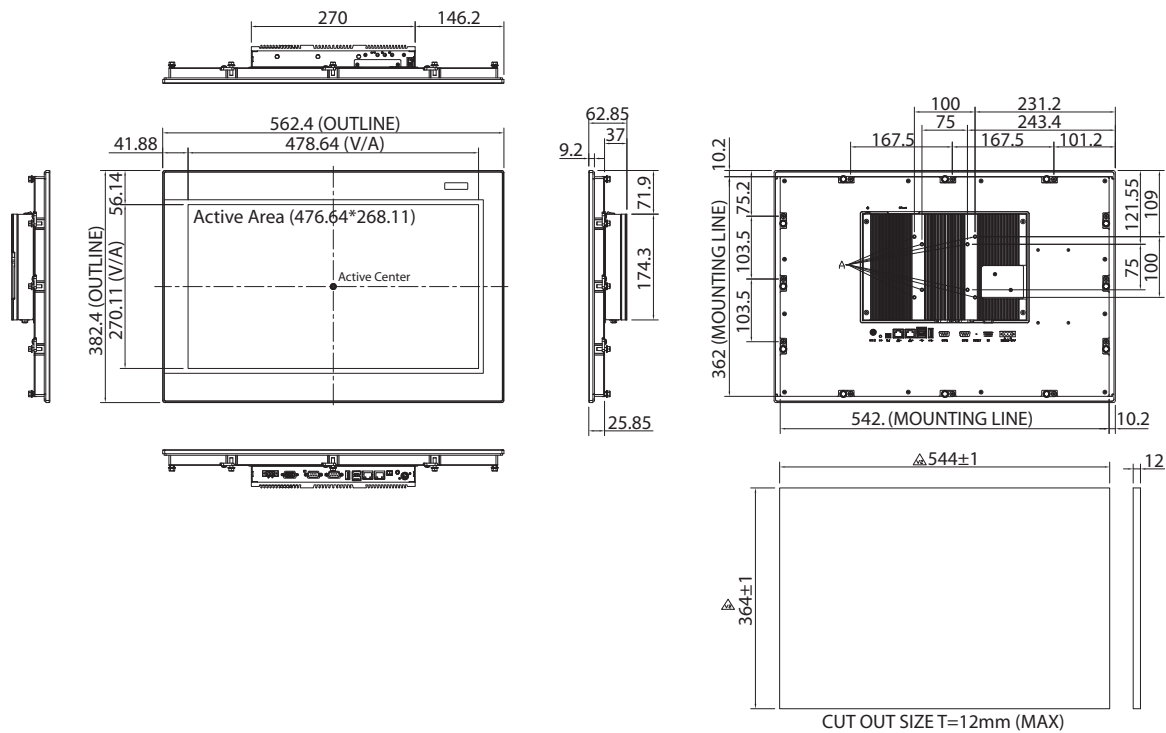
Storage device:

- 1 x external locked CFast socket
- 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
- Watchdog timer: Watchdog timeout can be programmable by software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
- H/W status monitor: monitoring system temperature, and voltage
- Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module or fieldbus card)
- Panel backlight control button: Increase brightness/decrease brightness/ backlight on/off
- Front logo LED Indicator to show operating status

Rear I/O

- Ethernet: 2 x RJ45
- 2nd display VGA port: 1 x DB15
- Audio port: 1 x Line out
- USB: 2 x USB 2.0, 1 x USB 3.0
- 2-pin Remote Power on/ off switch
- Power switch
- Reset button
- COM #1: RS232/422/485 w/ 2.5kv isolated
- COM #2: RS232/422/485 w/ 2.5kv isolated
- Fieldbus: (protocol interface optional)

Dimension Drawing



Model	Protocol	Connector
FBI90E-PNM	PROFINET Master	Dual RJ-45
FBI90E-EP	EtherNet/IP Master	
FBI90E-ECM	EtherCAT Master	DB9
FBI90E-PBM	PROFIBUS Master	
FBI90E-DNM	DeviceNet Master	5-pins PHOENIX contact terminal

Certifications

- ♦ CE (including EN61000-6-2/EN61000-6-4)
- ♦ FCC Class A

OS Support Lists

- ♦ Windows 8 32bit/64bit
- ♦ Windows 7 32bit/64bit
- ♦ WinCE 7.0

Audio

- ♦ HD codec: Realtek ALC886-GR
- ♦ Audio interface: Line-out audio jack

Ethernet

- ♦ LAN chip: dual Intel® I210AT Gigabit LAN
- ♦ Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Mechanical & Environment

- ♦ Color: Pantone 432C/RAL 70 24 front bezel
- ♦ IP protection: IP66 front
- ♦ Mounting: panel/ wall/ stand/ VESA 100mm x 100mm
- ♦ System with panel mounting kit w/o panel mounting hole
- ♦ Power input: 12~30VDC
- ♦ Power adapter: Optional AC to DC power adapter (+12V, 60W)
- ♦ Vibration:
 - IEC 68 2-64 (w/ HDD)
 - 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating)
 - 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating)
 - 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
- ♦ Shock:
 - IEC 68 2-27
 - HDD: 20G@wall mount, half sine, 11ms
- ♦ Operating temperature: -10°C to 60°C
- ♦ Storage temperature: -20°C to 75°C
- ♦ Operating humidity: 10%~90% relative humidity, non-condensing
- ♦ Dimension: 562.4x382.4x62.85mm
- ♦ Weight: 9.26Kg

Ordering Information

Barebone

♦PICE-PPC2140P (P/N: 10I12140P00X0)

21.5" full HD LED backlight touch panel PC, Intel® Celeron® quad core processor J1900, up to 2.42GHz, 2M L2 Cache, touch screen, 4GB DDR3L, 2 x RS232/422/485 and brightness adjustment buttons, optional fieldbus module

Options

♦12V, 60W AC/DC power adapter w/o power cord (P/N: 7400060031X00)

♦PROFINET Master interface module: FBI90E-PNM for APPC (P/N: 88IA1932T00X0)

♦EtherNet/IP Master interface module: FBI90E-EP for APPC (P/N: 88IA1932T01X0)

♦EtherCAT Master interface module: FBI90E-ECM for APPC (P/N: 88IA1932T02X0)

♦PROFIBUS Master interface module: FBI90E-PBM for APPC (P/N: 8IA1932T03X0)

♦DeviceNet Master interface module: FBI90E-DNM for APPC (P/N: 88IA1932T04X0)