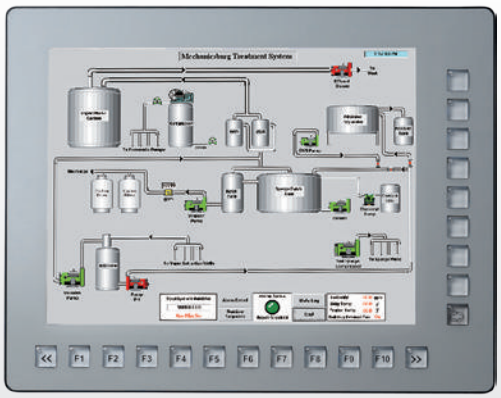
FPPC 1220

12.1" TFT SVGA 4:3 Panel PC with Intel® Atom™ D425, 1.8GHz, 1GB DDR3, 2x USB, 3x COM and VGA



Main Features

- 4:3 12.1" Fanless Panel Computer
- Intel® Atom™ D425, Low-Power Consumption CPU
- DDR3 1GB/ 3x GbE/ 2nd display-VGA/ Line-out/ MIC-in/ PS2 KB/MS
- USB x2/ 1x PCI slot/ 1x CF/ 2x RS232/ 1x RS232/422/485
- IP65 Compliant Front Panel
- Mounting Support: Panel/ Wall/ Stand/ VESA 75mm x 75mm, 100mm x 100mm

Product Overview

Incorporated a 12.1" 4:3 LCD panel with resolutions up to 800 x 600 (SVGA) and 370 nits brightness, industrial motherboard for diverse industrial applications, the factory automation fanless Panel PC FPPC 1220 utilizes Atom™ D425 processor. The IP65 compliant front panel can be offered for automation machine applications.

The FPPC 1220 Panel PC has 3 GbE LAN, 3x COMs, 2x USB, PS2 KB/MS, and Line-out/ MIC-in. With a VGA port, FPPC series can hook 2nd display delivering different content.

Specifications

Panel

- LCD Size: 12.1", 4:3
- Resolution: SVGA 800x600
- Luminance: 370cd/m²
- Contrast ratio: 450
- Viewing angle: 50(U), 60(D), 70(L), 70(R)
- Backlight: CCFL

System

- CPU: Intel® Atom™ D425, 1.8GHz
- BIOS: AMI BIOS
- System chipset: Intel® ICH8M
- System memory: 1x 204-pin DDR3 SO-DIMM socket, 1G DDR3 (Default),
- Support up to 2GB DDR3 800, non-ECC and un-buffered
- SSD: one external locked CF socket by IDE support Type I/II compactFlash card
- 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: 1x PCI slot
- NEXCOM Xcare™ platform system management supported

Rear I/O

- COM #1: RS232
- COM #2: RS232
- COM #3: RS232/422/485
- Ethernet: 3x RJ45
- 2nd display VGA port: 1x DB15
- Audio port: 1x Line out; 1x MIC-in
- USB: 2x USB 2.0
- PS2 keyboard/ mouse

Audio

- AC97 codec: Realtek ALC888
- Audio interface: Line out/ MIC-in Audio Jack

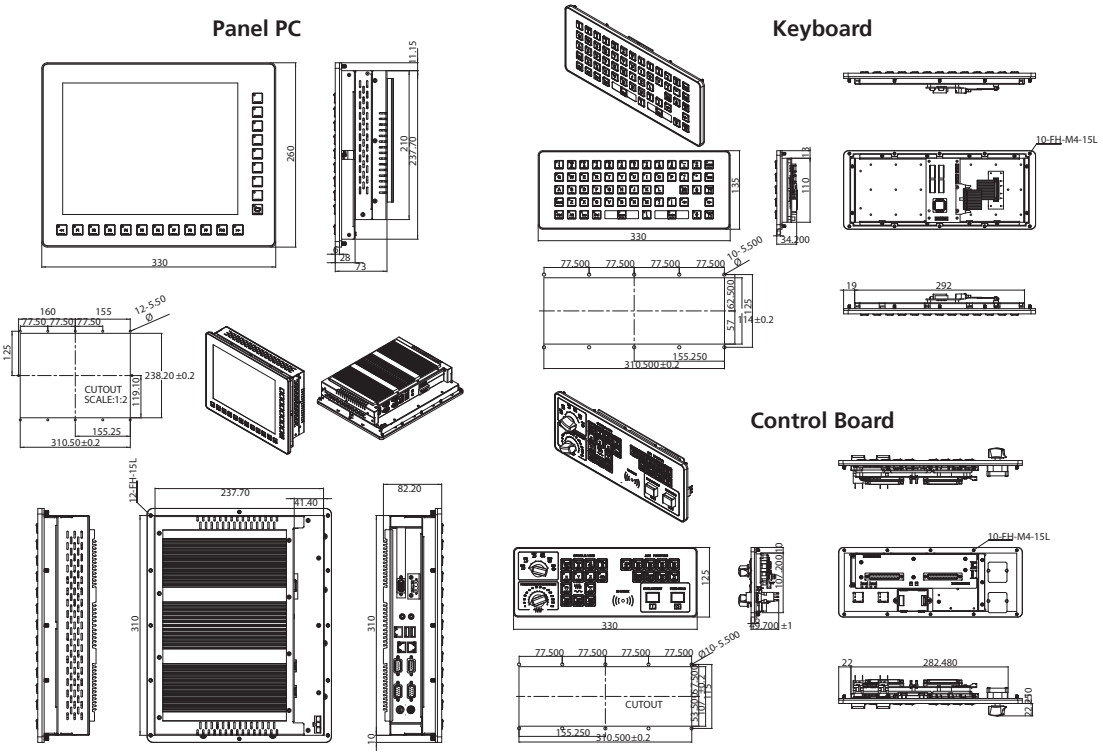
Ethernet

- LAN chip: 3x Realtek 8111L Gigabit LAN
- Ethernet interface: 10/100/1000 Based-Tx Ethernet compatible

Mechanical & Environment

- IP protection: IP65 front
- Mounting: panel/ wall/ stand/ VESA 75mm x 75mm; 100mm x 100mm
- Power input: 24VDC

Dimension Drawing



- Vibration:
  IEC 68 2-64 (w/ HDD)
  0.5Grms @sine, 5~500Hz, 1hr/axis (HDD 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: -5°C to 50°C
- Storage temperature: -20°C to 75°C
- Operating humidity: 10% to 90% relative humidity, non-condensing

Ordering Information

Barebone

- **FPPC 1220 (P/N: TBD)**
  12.1" TFT Panel PC with Intel® Atom™ D425 1.8 GHz, 1GB DDR3, COM #1/ #2/ #3

We reserve the right to change specifications and product descriptions at any time without prior notice.