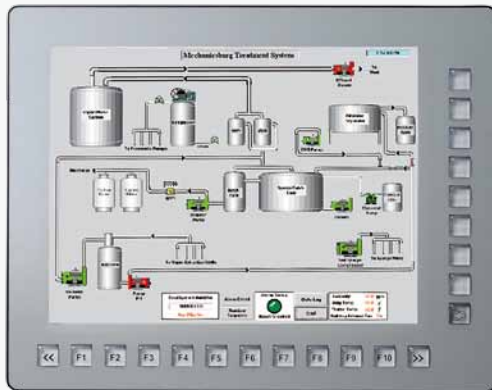


FPPC 1220

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



Main Features

- ♦ 4:3 12.1" Fanless Panel Computer
- ♦ Intel® Atom™ D425, Low-Power Consumption CPU
- ♦ DDR3 1GB/3 x GbE/2nd display-VGA/Line-out/MIC-in/PS2 KB/MS
- ♦ USB x 2/1 x PCI slot/1 x CF/2 x RS232/1 x 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, 3 x COMs, 2 x 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: 1 x 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 compact Flash 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: 1 x PCI slot
- ♦ NEXCOM Xcare™ platform system management supported

Rear I/O

- ♦ COM #1: RS232
- ♦ COM #2: RS232
- ♦ COM #3: RS232/422/485
- ♦ Ethernet: 3 x RJ45

- ♦ 2nd display VGA port: 1 x DB15
- ♦ Audio port: 1 x Line out; 1 x MIC-in
- ♦ USB: 2 x USB 2.0
- ♦ PS2 keyboard/mouse

Audio

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

Ethernet

- ♦ LAN chip: 3 x 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
- ♦ 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

Panel PC

Technical drawings of the Panel PC showing front, side, and cutout views with dimensions in mm.

- Front View:** 330 (width), 280 (height), 115 (top bezel), 210 (bottom bezel), 237.70 (total height), 20 (bottom bezel thickness), 73 (bottom bezel width).
- Side View:** 115 (top bezel), 210 (bottom bezel), 237.70 (total height), 20 (bottom bezel thickness), 73 (bottom bezel width).
- Cutout View:** 160 (width), 155 (height), 77.50 (width), 77.50 (height), 115.10 (width), 135.10 (height), 155.25 (width), 310.50 ±0.2 (width), 135 (width), 238.20 (height), 10.2 (height), 310.50 ±0.2 (width).

Keyboard

Technical drawings of the Keyboard showing front, side, and cutout views with dimensions in mm.

- Front View:** 330 (width), 135 (height), 115 (top bezel), 210 (bottom bezel), 237.70 (total height), 20 (bottom bezel thickness), 73 (bottom bezel width).
- Side View:** 115 (top bezel), 210 (bottom bezel), 237.70 (total height), 20 (bottom bezel thickness), 73 (bottom bezel width).
- Cutout View:** 160 (width), 155 (height), 77.50 (width), 77.50 (height), 115.10 (width), 135.10 (height), 155.25 (width), 310.50 ±0.2 (width), 135 (width), 238.20 (height), 10.2 (height), 310.50 ±0.2 (width).

Control Board

Technical drawings of the Control Board showing front, side, and cutout views with dimensions in mm.

- Front View:** 330 (width), 135 (height), 115 (top bezel), 210 (bottom bezel), 237.70 (total height), 20 (bottom bezel thickness), 73 (bottom bezel width).
- Side View:** 115 (top bezel), 210 (bottom bezel), 237.70 (total height), 20 (bottom bezel thickness), 73 (bottom bezel width).
- Cutout View:** 160 (width), 155 (height), 77.50 (width), 77.50 (height), 115.10 (width), 135.10 (height), 155.25 (width), 310.50 ±0.2 (width), 135 (width), 238.20 (height), 10.2 (height), 310.50 ±0.2 (width).

12.1" TFT Panel PC with Intel® Atom™ D425 1.8 GHz, 1GB DDR3, COM #1/#2/#3