

# IPC-12FL

12.1" Industrial Fanless Panel PC, Touch screen, 4 COM (1XRS232/422/485), HDMI, VGA, AUDIO



## Features

- Fanless design for low power consumption
- 12.1" TFT XGA LED Panel (1024 x 768) with resistive touch screen
- Embedded Intel® Atom™ processor N2800 1.86 GHz
- System memory up to 4 GB SODIMM DDR3 800/1066/1333 SDRAM
- 4 x COM (1XRS232/422/485), 1 x HDMI, 1xVGA, 4xUSB, 2xLAN, 1x AUDIO
- Offers 2 x Mini PCIe slot, for expansion
- Rear panel with power LED and HDD LED Indication
- Wireless LAN with antenna (optional)
- Robust aluminum with IP65 compliant front bezel design
- Panel ( Flush ) mount with clip or Standard VESA 75/100mm support stand, wall mount and swing arm

## Specifications

| Main System          |   |
|----------------------|---|
| CPU                  | Onboard Intel Atom N2800 1.86GHz Dual-core CPU with 667 MHz FSB   |
| Chipset              | Intel NM10 chipset  |
| System Memory        | 1x SODIMM DDR3 800/1066/1333 SDRAM up to 4 GB, preload 2GB Ram  |
| LAN                  | 2.5" SATA HDD; Preload 320GB HDD or 32G SSD   |
| HDD (hard disk )     | Two LAN onboard: 2x Realtek ® RL8111x (Gigabit ) 10/100/1000Ethernet  |
| Graphic              | Intel GMA3650 chipset   |
| Audio                | Realtek ® ALC662, 5.1 channel surround audio  |
| I/O Connector        | 3 x RS-232<br>1 x RS-232/RS422/485<br>1 x HDMI<br>1x DB-15 Connector<br>1x Audio (Mic-in / Line-out)<br>2x 10/100/1000MLAN port ( RJ-45 )<br>4x USB2.0<br>1x 3Pin DC power input terminal block |
| Expansion            | Mini PCIe slot  |
| General              |   |
| Construction         | Aluminum front bezel and Aluminum chassis   |
| Color                | Black or OEM(>=100 units)   |
| OS Support           | Windows 7, Windows XP, Linux  |
| Mounting             | Panel mount or Standard VESA 75/100mm   |
| Power supply         | Input Voltage : 8~30v, with External AC adapter; Output Rating 32W  |
| Dimensions(WxHxD)    | 322 x 247.5 x 58 mm   |
| NET weight           | 4.8 KG  |
| LCD Display          |   |
| Display type         | 12.1" XGA TFT LCD LED Backlight   |
| Resolution           | 1024 x 768 pixels   |
| Luminance            | 500 cd/m2   |
| Viewing angle        | 160°(H) , 160°(V)   |
| Touch screen         |   |
| Controller Interface | Internal USB interface controller   |
| Resolution           | Continuous  |
| Light Transmission   | 81% or more   |
| Operating Force      | ≤100g   |
| Life Expectancy      | 35 Million  |

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## Environment

|                       |                                   |
|-----------------------|-----------------------------------|
| Operating Temperature | 0 ~ 45°C (32 ~ 113°F)             |
| Storage Temperature   | -20 ~ 60°C (-4 ~ 140°F)           |
| Humidity              | 10% to 90% @ 40°C , on-condensing |
| Vibration             | 17 to 500HZ 1G PTP                |
| Operating Shock       | 1G /peak ( 11m sec)               |
| Ingress Protection    | Front panel: IP65                 |

## Ordering informations

|           |  |
|-----------|--|
| IPC-12FL  | Fanless Panel PC with 12.1" XGA TFT LCD, Intel Atom N2800 Processor, 2.5" SATA 320G HDD(or 32G SSD) , 2G RAM(4G optional), 4xCOM (1XRS232/422/485), 1 x HDMI, 1xVGA, 4xUSB, 2xLAN, 1x AUDIO                                      |
| IPC-12FLT | Fanless Touch screen Panel PC with 12.1" XGA TFT LCD, Intel Atom N2800 Processor, 2.5" SATA 320G HDD(or 32G SSD) , 2G RAM(4G optional), 4xCOM (1XRS232/422/485), 1 x HDMI, 1xVGA, 4xUSB, 2xLAN, 1x AUDIO, Resistive touch screen |

## Dimensions Diagram

