IPC-SYS8FN (Advantix - powered by Fastwel)
1U High-Performance Fanless PC

Features

- CPU: Intel® Core™ i7-3610QE/Intel® Core™ i5-3610ME;
- Chipset: Intel® QM77;
- RAM: 2 – 16GB, 2 x DDR3-1333/1600, non ECC;
- Watchdog: programmable;
- Network: 2 x Ethernet 10/100/1000 controllers, each on PCI-E x1 bus;
- GPU: integrated Intel HD Graphics 4000, video memory up to 1GB, Dual Head support;
- Oper. temperature: +5~+40°C (AC ver.)/-40~+70°C (DC ver.);
- Power supply: 9-24V DC or 220V AC (2 options);
- OS compatibility: Microsoft XP Embedded, Windows 7, 8, 10, Linux;

Overview

The IPC-SYS8FN (Advantix – powered by Fastwel) is a high-performance fanless PC characterized by a low power consumption. The hallmark of this industrial fanless PC is the lack of noise from fans. Despite the compact size it has expansion slots and is suitable for installation in unmanned rooms.

Technical Specifications

CPU

- Intel® Core™ i7-3610QE (2.3GHz, 6MB, 4 x cores);
- Intel® Core™ i5-3610ME (2.7GHz, 3MB, 2 x cores);

Chipset

- Intel® QM77;

RAM

- 2 – 16GB, 2 x DDR3-1333/1600, non ECC, single-channel or two-channel;

Video subsystem

- Integrated GPU Intel HD Graphics 4000, video memory up to 1GB, support of Dual Head;

Expansion slots

- 2 x PCI full height, half length;
- 1 x Mini PCIe;

Bays

- 1 x 3.5" / 2.5" (internal);
- 2 x 5.25";

Disk subsystem

- 2 x bays for 2.5" HDD/SSD SATA Hot Swap or one 3.5" internal bay. Support of RAID 0/1;
- Connector for CF-SATA card for 64GB (without access from the outside);

Network

- 2 x Ethernet 10/100/1000 controllers, each on PCI-E x1 bus;

Audio

- 2-channel audio;

Ports

- 4 x USB 3.0 (rear panel), 2 x USB 2.0 (front panel);
- 1 x DVI-D, 1 x VGA, 1 x HDMI (with support of Dual Head);
- 2 x LAN (RJ-45);
- 1 x COM (it is possible to route up to 6 x COM-ports from the board: 3 x RS232 and 3 x RS232/422/485, routing 6 x COM-ports from the motherboard will occupy all free expansion slots);
- Audio In/Out;

Operating temperature range:

- from +5°C to +40°C, or from -20°C to +60°C (AC-version), or from -40°C to +70°C (DC-version);

Cooling

- Convection, passive;

Watchdog

- Programmable;

Power supply

- 9-24V DC or 220V AC (2 options);

Dimensions

- 380 (D) * 440 (W) * 44 (H);
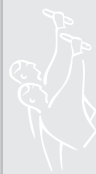
Version design

- 1U;

Weight

- 7.5 kg;

Color

- Black;

OS compatibility

- Microsoft XP Embedded;
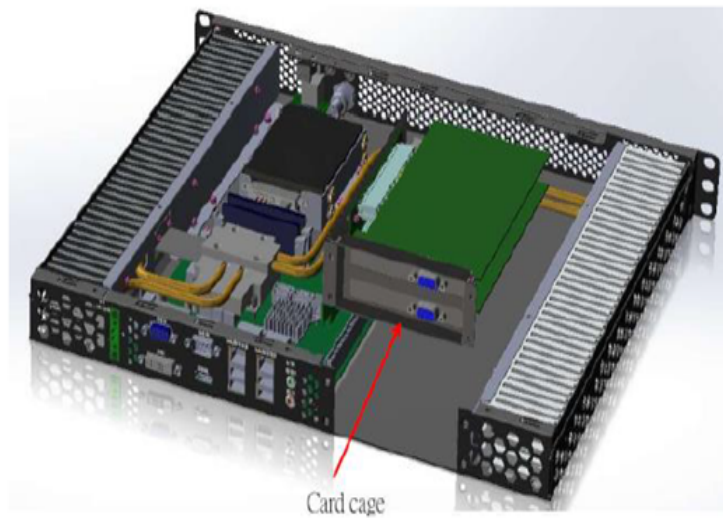- Windows 7;
- Windows 8;
- Windows 10;
- Linux;

Warranty

- 2 years;

Layout

AdvantiX IPC-SYS8FN
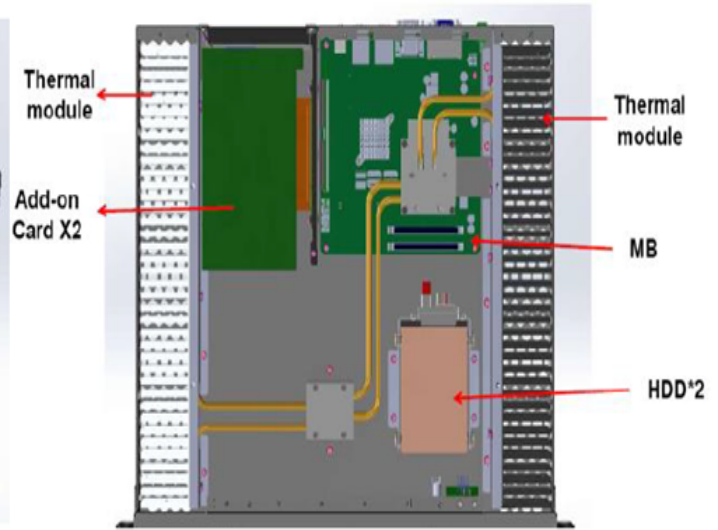
Rear view

Top view

Rear view (AC version)

Rear view (DC version)

Ordering information

IPC-SYS8FN (Advantix - powered by Fastwel) Configuration

IPC-SYS8FN \Options

Configurations

IPC-SYS8FN	1U High-Performance Fanless PC / Intel® Core™ i7-3610QE (2.3GHz, 6MB, 4 x cores) or Intel® Core™ i5-3610ME (2.7GHz, 3MB, 2 x cores) / RAM: 2 – 16GB, 2 x DDR3-1333/1600, non ECC, single-channel or two-channel / integrated Intel HD Graphics 4000, video memory up to 1GB, Dual Head support / 9-24V DC or 220V AC (2 options);

Delivery checklist

IPC-SYS8FN (Advantix - powered by Fastwel) delivery checklist contains:

1. IPC-SYS8FN (Advantix – powered by Fastwel) 1U High-Performance Fanless PC
2. Packaging.

Corporate offices

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