IPC-SYS8FN2 (Advantix - powered by Fastwel)
1U High-Performance : Intel® Core™ i7 Fanless Computer

Features

- CPUs: Intel® Core i7-9700TE (1.8/3.8GHz, 12MB, 8 cores);
- RAM: 4 – 64GB, 2 x DDR4-2400/2666, non ECC, 1/2-channel;
- GPU: integrated Intel UHD 630, up to 64GB, res. 4096x2304;
- Network: 2x Ethernet 10/100/1000 controllers;
- Operating temperature range: from +5°C to +40°C, or -20°C to +60°C (AC-version), or from -30°C to +60°C (DC-version);
- Power supply: 220V AC or 9-36V DC (2 options);
- OS compatibility: Microsoft Windows 10 (64 bit), Linux;
- Weight: 8.9 kg;

Overview

IPC-SYS8FN2 (Advantix - powered by Fastwel) is a 1U high-performance computer featuring a fanless design and a low power consumption, available as AC and DC (with a redundant option) versions and designed for operating temperature range from +5°C to +40°C, or from -20°C to +60°C (AC-version), or from - 30°C to +60°C (DC-version).

Technical Specifications

CPU

- Intel® Core i7-9700TE (1.8/3.8GHz, 12MB, 8 cores) or any other Intel Core processor of the 8th or 9th generation, with LGA1151 socket and TDP, up to 35W;

RAM

- 4 – 64GB, 2 x DDR4-2400/2666, non ECC, single or two channel;

Video subsystem

- integrated graphics card Intel UHD 630, with up to 64GB, support of Triple Head with resolution up to 4096 x 2304, 60Hz;

Chipset

- Intel® Q370;

Expansion slots

- 1 x PCIe x16 of the overall height, half-length;
- 1 x M.2 (Key M, 2242/2260/2280) with support of PCIe x4 and SATA3;
- 1 x M.2 (Key E, 2230) with support of PCIex1 and USB2.0;
- 1 x mPCIe (Full/Half);

Disk subsystem

- 2x bays for 2.5" HDD/SSD SATA with Hot Swap or a single 3.5" internal bay. Support of RAID 0/1;
- M.2 slot (Key M, 2242/2260/2280) with support of PCIe x4 and SATA3;

Network

- 2x Ethernet 10/100/1000 controllers (Intel® I210 & I219LM);

Audio

- Two channel, HD Audio;

Ports

- 1x USB 2.04 x USB 3.1 (rear panel), 2 x USB 2.0 (front panel);
- 3 x DP (with Triple Head support);
- 2 x LAN (RJ-45);
- 1 x RS232/422/485 (up to 4x COM-ports can be output from the board: 2x RS232 and 2x RS232/422/485);
- Audio In/Out;

Watchdog timer

- Programmable;

Power supply

- 220V AC or 9-36V DC (2 options), redundant power supply unit (option);

Cooling

- Convection, passive;

Operating temperature

- from +5°C to +40°C, or -20°C to +60°C (ACversion), or from -30°C to +60°C (DC-version);

Dimensions

- 430 (D) * 440 (W) * 44 (H);

Weight

- 8.9 kg;

Version design

- 1U;

Color

- Black;

OS compatibility

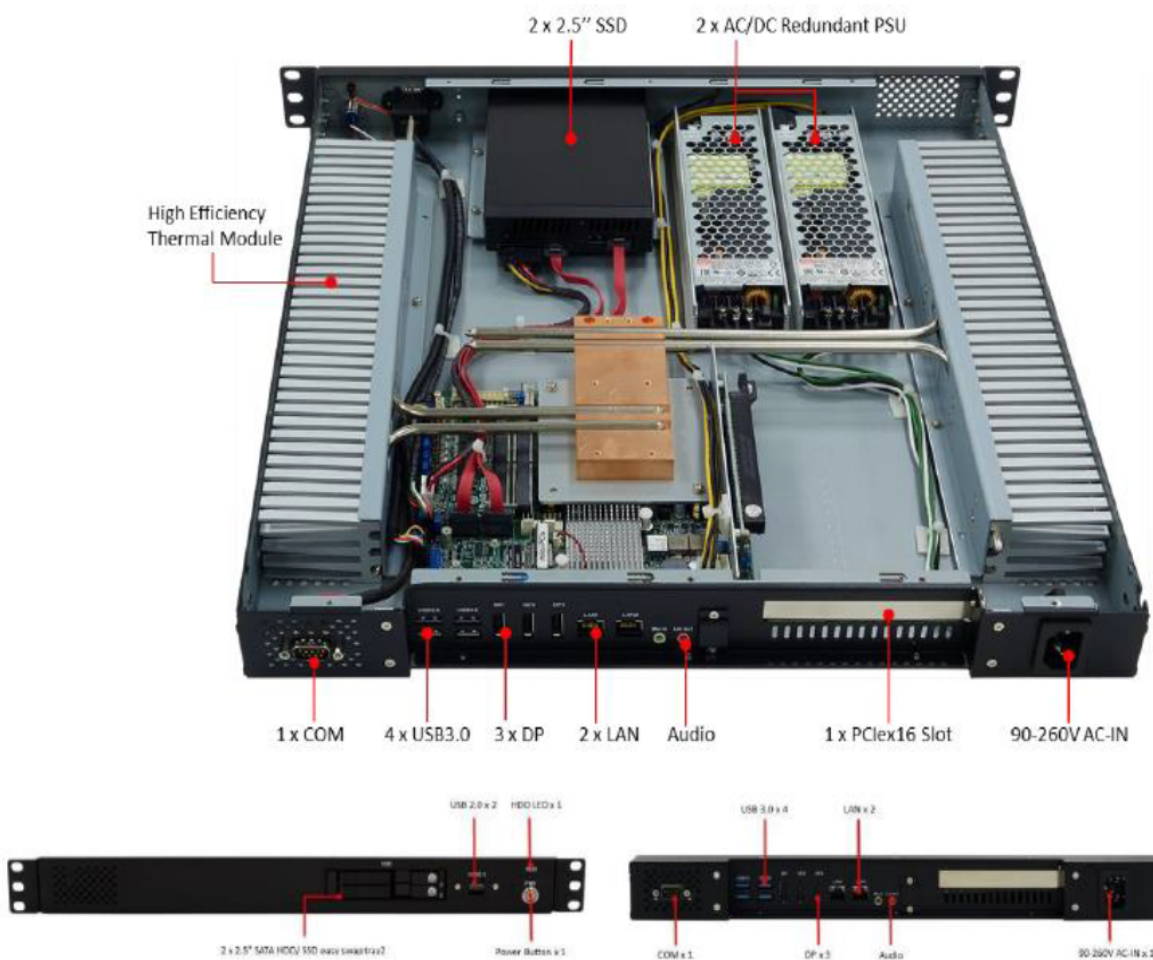- Microsoft Windows 10 (64 bit), Linux;

Warranty

- 2-year warranty;

IPC-SYS8FN2 (Advantix - powered by Fastwel)

2 x 2.5" SSD   2 x AC/DC Redundant PSU

High Efficiency Thermal Module

1 x COM   4 x USB3.0   3 x DP   2 x LAN   Audio   1 x PClex16 Slot   90-260V AC-IN

Front view (AC version)

USB 2.0 x 2   HDD LED x 1

2 x 2.5" SATA HDD/ SSD easy swap tray2   Power Button x 1

Rear view (AC version)

USB 3.0 x 4   LAN x 2

COM x 1   DP x 3   Audio   90-260V AC-IN x 1

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Ordering information

IPC-SYS8FN2(Advantix - powered by Fastwel) Configuration

IPC-SYS8FN2 \Options

Configurations

IPC-SYS8FN2-I7-AC	Fanless 1U computer / Core i7-8700T 2.4GHz / 16GB DDR4 / 480GB SSD / AC power supply, temperature range: from +5 to +40;
IPC-SYS8FN2-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability);

Delivery checklist

IPC-SYS8FN2 (Advantix - powered by Fastwel) delivery checklist contains:

1. IPC-SYS8FN2 (Advantix - powered by Fastwel) 1U High-Performance Fanless Computer;
2. Packaging.

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