

IPC-SYS12-A9 (Advantix - powered by Fastwel) High-Performance Process Control Station



Overview

IPC-SYS12-A9 (Advantix – powered by Fastwel) is a high-performance process control station, which is reliable in operation, impactproof and resistant to vibrations and temperature exposures. Its enclosure is optimized for mounting into 19" racks, where the station is only 2U high. For ease of use, the USB connectors are placed on the front panel.

Due to the use of the PICMG 1.3 industry standard, various expansion slots are available: in addition to the standard PCI-e x16 + 4xPCI, PCIe x16 + 4xPCIe x1 options are available. In this case all slots are full-size (you can install expansion cards of the overall height and length). The system board of the PICMG standard can be quickly replaced in the event of a failure, which reduces hardware downtime.

Features

- CPU: Intel Pentium G4400/Core i3-6100/Core i5-6500, etc.;
- RAM: 32GB, 2xDIMM DDR4-2133, non ECC/ECC, 1/2 channels;
- GPU: integrated GPU Intel HD Graphics 510/530;
- Network: 2 x Ethernet 10/100/1000 controllers;
- Expansion slots: 4 x PCI full-height, full length (or 4x PCI-e x1, as option), 1 x PCI-e x16 full height, full length;
- Temperature range: from +5 to +40°C (operating), from -20 to +60°C (storage);
- Power supply: 400-700W, redundant PSU as option;
- Version design: Rack-mount design, 2U;
- OS compatibility: Microsoft Windows 7/ 8.1 / 10 / Win Server 2012, Linux.

Technical Specifications

CPU

- Intel Pentium G4400 (2x cores) or Core i3-6100 (2x cores) or Core i5-6500 (4x cores) or Core i7-6700 (4x cores, HT) или Xeon E3-1275 v5 (4x cores, HT) LGA1151 – or any other Intel Core CPU of the 6th generation;

RAM

- up to 32GB, 2 x DIMM DDR4-2133, non ECC/ ECC, 1/2 channel;

Chipset

- Intel® C236;

Video subsystem

- integrated GPU Intel HD Graphics 510/530;

Expansion slots

- 4 x PCI full-height, full length (or 4x PCI-e x1, as option);
- 1 x PCI-e x16 full height, full length;

Bays

- 2 x 3.5" (internal and external);
- 1 x 5,25";

Disk subsystem

- 1x disk 3.5" HDD SATA;
- 1x DVD±RW optical drive;
- 6x SATA-600; support of RAID 0,1,5,10;

Network

- 2x Ethernet 10/100/1000 controllers Intel i219LM, i211AT, support of WoL (Wake-onLan), PXE, Teaming, iAMT 11;

Audio

- 5.1-channel, ALC662 HD codec;

Ports

- 5x USB 2.0/3.0 (2 at the front and 3 at the rear);
- 1x DVI-I, 1 x DVI-D (with support of 2-monitor configuration);

- 1 x PS/2 (with Y-cable for keyboard and mouse);
- 2-4 x COM (COM1: RS232/422/485;COM2-4: RS232, are routed upon request);
- 1 x LPT (option);
- Audio (Line In, Line Out, Mic In);

Power supply

- 400-700W, redundant power supply unit as option;

Humidity

- 10-85% at +40°C (operation), 10-95% at +40°C (storage), non-condensing;

Operating temperature range

- from +5 to +40°C;

Storage temperature range

- from -20 to +60°C;

Version design

- Rack-mount design, 2U;

Dimensions

- 450 (D) * 483 (W) * 89 (H);

Weight

- 13.5 kg;

Color

- Black;

OS compatibility

- Microsoft Windows 7 32/64;
- Windows 8.1 x64;
- Windows 10 x64;
- Win Server 2012;
- Linux;

Warranty

- 2 years (3 years as option)



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Ordering information

IPC-SYS12-A9 (Advantix - powered by Fastwel) Configuration

IPC-SYS12-A9 \Options

Configurations

IPC-SYS12-A9 Process Control Station, based on Intel Pentium G4400/ Core i3-6100 / Core i5-6500/ Core i7- 6700 / Xeon E3-1275, RAM: up to 32GB, 2 x DIMM DDR4-2133, GPU: Intel HD Graphics 510/530, operating temperature range: from +5 to +40°C;

Delivery checklist

IPC-SYS12-A9 (Advantix - powered by Fastwel) delivery checklist contains:

1. IPC-SYS12-A9 (Advantix – powered by Fastwel) High-Performance Process Control Station
2. Redundant power supply unit (as option)
3. Packaging.

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Product specifications are subject to change without notice

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