

IPC-2U-SYS9-A10 (Advantix - powered by Fastwel)

2U High-Performance ACS Operator's Workstation



Overview

The IPC-2U-SYS9-A10 (Advantix – powered by Fastwel) workstation is optimized for mounting to the 19" racks, where it occupies 2U high section. At the same time, the enclosure's depth is only 460 mm. The dustproof filter is available for replacement from the front panel in the Hot Swap mode, as are the 2 x 80 cm system fans. The device is equipped with an enclosure opening monitoring option: 3 x built-in opening sensors track the opening of the upper cover of the enclosure, the ventilation unit, and the front door of the enclosure.

The workstation is based on an industrial mATX standard motherboard with the Intel C246 system logic set. The system has 4 low-profile expansion slots. In addition, the platform has a well-developed disk subsystem and advanced network capabilities - the basic device basic configuration is delivered with an integrated SATA RAID 5 controller and 2 x Gigabit integrated network adapters. There are 2 x USB ports on the front panel.

Features

- CPU: Intel Pentium G5400/Core i3-8100/Core i5-8500 etc;
- RAM: up to 64GB, 4 x DIMM DDR4, ECC/non ECC;
- GPU: integrated GPU Intel HD Graphics 610/630, DX 12;
- Chipset: Intel C246;
- Network: 2 x Ethernet 10/100/1000 Intel i219LM, i210AT, support of WoL (Wake-on-Lan), PXE, Teaming, iAMT 12;
- Power supply: 400W or 700W as a single unit, or 400/450W as redundant PSU (as option);
- Operating temperature range: +5°C ... +40°C;
- Dimensions: 460 (D) * 483 (W) * 89 (H);
- OS compatibility: Windows 10 x64, Linux x64;

Technical Specifications

CPU

- Intel Pentium G5400 (2 x cores);
- Core i3-8100 (4 x cores);
- Core i5-8500 (6 x cores);
- Core i7-8700 (6 x cores);
- Xeon LGA1151 – or any other 8th and 9th gen. Intel Core

RAM

- up to 64GB, 4 x DIMM DDR4, ECC/non ECC, single-channel or two-channel;

Chipset

- Intel C246;

Video subsystem

- integrated GPU Intel HD Graphics 610/630, DX 12;

Expansion slot

- 1 x PCI-E x16 gen3 (16 x PCI-E lines), half-height;
- 2 x PCI-E x1 gen3, half-height, slotted;
- 1 x PCI-E x16 gen3 (4 x PCI-E lines), half-height;
- 1 x M.2 2280 Key-M (for PCIe SSD), contains 4 x PCIe Gen3 lanes;
- 1 x M.2 2230 Key-E (for WiFi/BT, etc.), contains 1 x PCIe Gen3, 1 x USB2.0;

Bays

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

Disk subsystem

- 1 x HDD 1TB SATA as standard, it is possible to install an internal drive cage for 3 x 3.5" HDDs and an external Hot Swap drive cage for 3 x 3.5" HDDs or 2/4 x 2.5" HDDs;
- 6 x SATA-600 ports; Support of RAID 0,1,5,10. Slot M.2 2280 Key-M for SSD NVME;

Network

- 2 x Ethernet 10/100/1000 Intel i219LM, i210AT controllers, support of WoL (Wake-on-Lan), PXE, Teaming, iAMT 12;

Audio

- 5.1-channel, Realtek ALC671;

Ports

- 7 x USB 2.0 (2 of them are on the front panel, 4 x on rear panel, 1 x internal);
- 4 x USB 3.1 on rear panel;
- 1 DVI-D without the ability to connect VGA, 2 DP (all 3 are operating independently);
- 2 x LAN (RJ-45);
- 2 x PS/2;
- 2 (4 as option) x COM (RS-232), 1 x LPT (to be ordered as option);
- Line In, Line Out, Mic;
- 3 x enclosure opening sensors – as option;

Operating temperature range

- from +5 to +40°C;

Storage temperature

- from -20 to +60°C;

Humidity

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

Dimensions

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

Weight

- 13 kg;

Color

- Black;

Version design

- For mounting to the 19" rack, 2U;

Power supply

- 400W or 700W as a single unit, or 400/450W as redundant PSU (as option);

OS compatibility

- Windows 10 x64;
- Linux x64;

Warranty

- 2 years (3 years as option);

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Ordering information

IPC-2U-SYS9-A10 (Advantix - powered by Fastwel) Configuration

IPC-2U-SYS9-A10 \Options

Configurations

IPC-2U-SYS9-A10 2U High-Performance ACS Operator's Workstation / Intel Pentium G5400 or Core i3-8100 or Core i5-8500 or Core i7-8700 / RAM: up to 64GB, 4 x DIMM DDR4, ECC/non ECC, single-channel or two-channel / integrated GPU Intel HD Graphics 610/630, DX 12 / 400W or 700W as a single unit, or 400/450W as redundant PSU (as option);

Delivery checklist

IPC-2U-SYS9-A10 (Advantix - powered by Fastwel) delivery checklist contains:

1. IPC-2U-SYS9-A10(Advantix - powered by Fastwel) 2U High-Performance ACS Operator's Workstation
2. Packaging.

Ver.1.08.2020

Product specifications are subject to change without notice

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