# VKP-B2/EL4S-A1 (Advantix - powered by Fastwel)
## 2U Elbrus-4S CPU-Based Fanless Brusnika Industrial Computer

## Features

- CPU: Elbrus-4S 1891VM8YA (800 MHz, 4 x cores);
- Chipset: KPI 1991VG1YA;
- RAM: 4 – 96GB, 3 x DDR3-1600, ECC reg;
- Audio: two channel AC-97, connectors are not routed by default;
- Video subsystem: Integrated: Silicon Motion SM718 GPU or option: 3D GPU of the AMD Radeon family;
- Power supply: 220V AC  power supply unit(as option: DC power supply unit);
- Network: 1 x Ethernet 10/100/1000 controller;
- Dimensions: 370 (D) * 483 (W) * 89 (H);
- OS support: Elbrus operating system is included in the set, Neutrino-E Protected Real-Time Operating System, Windows XP, Astra Linux Special Edition in the binary translation mode;

## Technical Specifications

## Overview

Brusnika VKP-B2/EL4S-A1 Industrial Computer (Advantix - powered by Fastwel) is based on a Russian-made Elbrus-4S CPU and is the first fanless solution in the 2U enclosure for mounting into the 19" rack, which makes it possible to use this computer in the 24/7 mode and in unmanned facilities.

This model will be duly appreciated by those government agencies that require a hardware platform enabling a steady operation with sensitive information, which needs to be secured and stored properly.

### CPU

- Elbrus-4S 1891VM8YA (800 MHz, 4 x cores);

### RAM

- 4 – 96GB, 3 x DDR3-1600, ECC reg;

### Video subsystem

- Integrated: Silicon Motion SM718 GPU on the PCI bus, 16Mb video memory. Resolution: up to 1920 x 1080;
- Option: 3D GPU of the AMD Radeon family, PCIe;

### Chipset

- Chipset: KPI 1991VG1YA;

### Expansion slots

- 2 x PCI + 1 PCIe x16 – option (modification for customer project will be required);

### Disk subsystem

- mSATA connector: 32-512GB SSD;
- 3 x SATA port;
- Connector for the CF 16-64GB card (for storing binary compiler, without access from the outside);

### Network

- 1 x Ethernet 10/100/1000 controller;

### Audio

- 2 x channel AC-97, connectors are not routed by default;

### Cooling

- Convection, passive;

### Ports

- 4 x USB 2.0;
- 1 x DVI-I, with VGA signal support via adapter);
- 1 x LAN (RJ-45), option: up to 7 x LAN;
- 1 x COM port RS-232 (COM2-port RS-232 can also be routed from the board);
- 1 audio input/output, stereo (comes as option);

### Power supply

- 220V AC (option: DC power supply);

### Operating temperature range

- from +5ºC ... +35ºC;

### Dimensions

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

### Weight

- 9.5kg;

### Version design

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

### Color

- Black;

### Power supply

- No more than 80W;

### OS compatibility

Elbrus operating system is included in the set;

- Support of the Neutrino-E Protected Real-Time Operating System;
- Windows XP, Astra Linux Special Edition in the binary translation mode;

### Warranty

- 1 year – storage, 1 year – operation (2 years and more – as option);

## Ordering information

### VKP-B2/EL4S-A1 (Advantix - powered by Fastwel) Configuration

### VKP-B2/EL4S-A1 \Options

#### Configurations

**VKP-B2/EL4S-A1**    Elbrus-4S CPU-Based Fanless AdvantiX Brusnika Industrial Computer / Elbrus-4S 1891VM8YA CPU (800 MHz, 4 x cores) / RAM: 4 – 96GB, 3 x DDR3-1600, ECC reg / Integrated GPU Silicon Motion SM718 on the PCI bus, 16Mb video memory / 220V AC (option: DC power supply);

#### Delivery checklist

**VKP-B2/EL4S-A1 (Advantix - powered by Fastwel) delivery checklist contains:**

1. VKP-B2/EL4S-A1 (Advantix – powered by Fastwel) Elbrus-4S CPU-Based Fanless AdvantiX Brusnika Industrial Computer
2. Packaging.

## Corporate offices

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