

# ER-4100 (Advantix - powered by Fastwel)

## Fanless Embedded Computer



### Features

- CPU: Intel® Atom™ x5-E3930 / Intel® Atom™ x7-E3950;
- RAM: 2 – 8GB, 2 x DDR3L-1600/1866, non ECC;
- GPU: integrated Intel® HD Graphics 500/505, 2GB;
- Network: 2 x i210AT PCIe Gigabit LAN controllers;
- Expansion slots: 1 x Mini-PCIe internal slot (Full-sized), 1 x M.2 (B-key);
- Operating temperature range: from -40°C to +60°C (with industrial SSD);
- Power supply: 9-36V DC;
- Cooling: convection, passive;
- OS compatibility: Windows 10 IoT Enterprise 64 bit, Linux;

### Overview

ER-4100 (Advantix – powered by Fastwel) is a fanless computer designed for operation at low and high temperatures, characterized by its cost-efficiency with a rather good functionality. Available for orders until 2023+.

### Technical Specifications

#### CPU

- Intel® Atom™ x5-E3930 (2x cores, 1.3GHz/1.8GHz turbo, 2MB L2, 6.5W) or Intel® Atom™ x7-E3950 (4x cores, 1.6GHz/2.0GHz turbo, 2MB L2, 12W);

#### RAM

- 2 – 8GB, 2 x DDR3L-1600/1866, non ECC;

#### Video subsystem

- integrated Intel® HD Graphics 500/505, up to 2GB of video memory;

#### Expansion slots

- 1 x Mini-PCIe internal slot (Full-sized);
- 1 x M.2 (B-key);

#### Disk subsystem

- 1 x mSATA SSD or M.2 SSD;
- 1 x bay for 2.5" HDD/SSD SATA (connection cable - option);

#### Network

- Two i210AT PCIe Gigabit LAN controllers;

#### Audio

- 2-channel, HD Audio;

#### Ports

- 4 x USB 3.0;
- 1 x HDMI 1.4b (3840x2160 @30Hz);
- 1 x DP 1.2 (4096x2160 @60Hz);
- 2 x LAN (RJ-45);
- 1 x COM (RS-232/422/485, 5V or 12V, RJ45 connector);
- 3 x RS-232 with DB9 connectors;
- Option:
  - Audio output, microphone input;
  - 2 x antenna connectors;

#### Cooling

- Convection, passive;

#### Watchdog

- Programmable;

#### Power supply

- 9-36V DC;

#### Operating temperature range:

- from -40°C to +60°C (with industrial SSD);

#### Storage temperature:

- from -40°C to +80°C;

#### Dimensions

- 135 (D) \* 179 (W) \* 43 (H) (exclusive of connectors and fasteners);

#### Weight

- 1.6 kg;

#### Version design

- Desktop or wall-mounting (fasteners are included in the set);

#### Color

- Black (standard) / green or any other color – as option;

#### OS compatibility

- Windows 10 IoT Enterprise 64 bit;
- Linux;

#### Delivery checklist

- Phoenix power supply female connector, power supply unit AC/DC 19V;

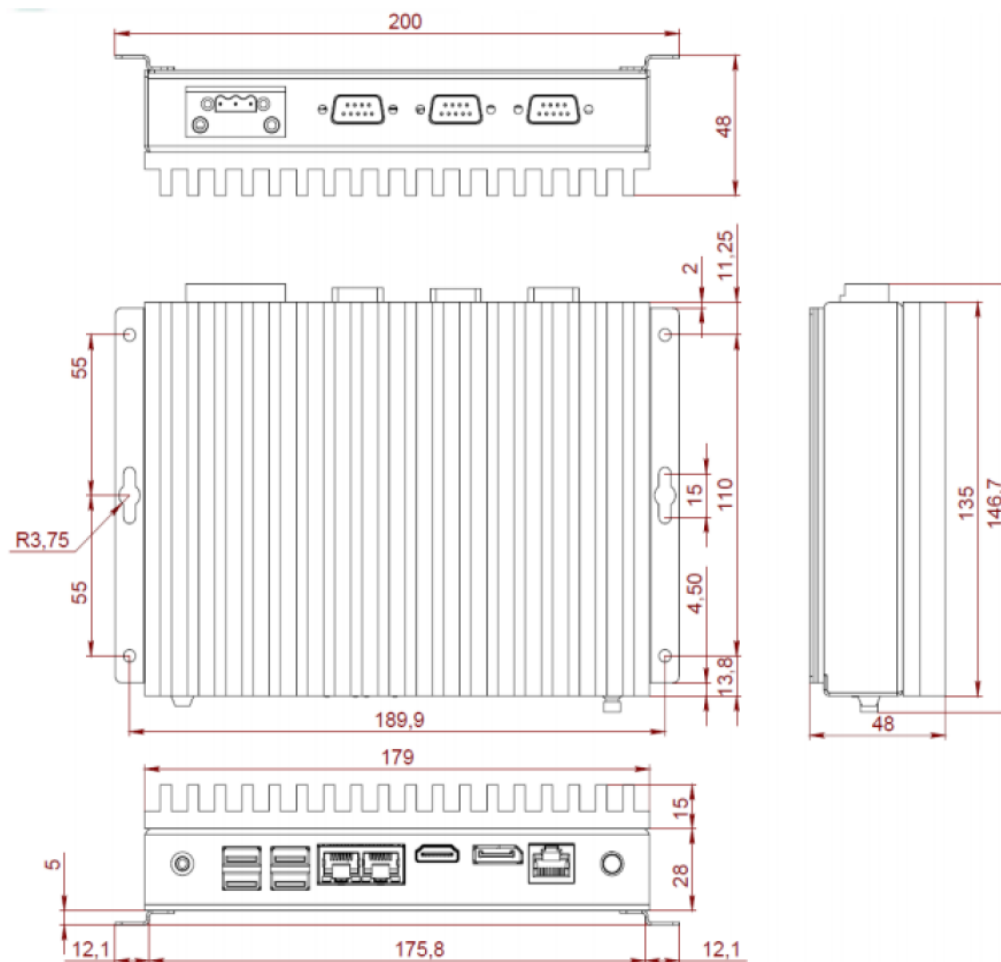
#### Warranty

- 2 years;

# ER-4100 (Advantix - powered by Fastwel) Fanless Embedded Computer

## Layout

### ER-4100 (Advantix – powered by Fastwel)



# ER-4100 (Advantix - powered by Fastwel) Fanless Embedded Computer

## Ordering information

### ER-4100 (Advantix - powered by Fastwel) Configuration

#### ER-4100 \Options

##### Configurations

ER-4100/WT5	Embedded Computer ER-4100 / Atom x5-E3930 1.3GHz / 4GB DDR3 / 128GB SSD, -40 to +60°C, power supply unit 65W (operating temperature range of the PSU: from 0 to 40°C);
ER-4100-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability);
Custom (on request)	External power supply unit 24V DC, 100-240V, 50W (operating temperature range: from – 40 to +70°C);

##### Delivery checklist

**ER-4100 (Advantix - powered by Fastwel) delivery checklist contains:**

1. ER-4100 (Advantix - powered by Fastwel) Embedded Fanless Computer
2. Phoenix power supply female connector, power supply unit AC/DC 19V
3. Packaging.

## Corporate offices

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Product specifications are subject to change without notice



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