ER-3100 (Advantix - powered by Fastwel)
Fanless Embedded Computer

Features

- CPU: Intel® Celeron® N3350/Intel® Pentium® N4200;
- RAM: 2 – 8GB, 2 x DDR3L-1600/1866, non ECC;
- GPU: integrated Intel® HD Graphics 500/505, 2GB;
- Network: 2x 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 +5ºC to +50ºC (with SSD), from +5ºC to +40ºC (with HDD);
- Power supply: 9-36V DC;
- Cooling: Convection, passive;
- OS compatibility: Windows 10 IoT Enterprise 64 bit, Linux;

Overview

ER-3100 is the initial model in the AdvantiX (powered by Fastwel) line of fanless computers, characterized by their costefficiency, compactness and high functionality. The computers support two independent digital video outputs (Dual Head). Available for orders until 2022+.

Technical Specifications

CPU

- Intel® Celeron® N3350 (2x cores, 1.1GHz/2.4GHz turbo, 2MB L2, 6W) or Intel® Pentium® N4200 (4x cores, 1.1GHz/2.5GHz turbo, 2MB L2, 6W);

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 (cable for connection – as option);

Network

- 2 x i210AT PCIe Gigabit LAN controllers;

Audio

- 2 x 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 +5ºC to +50ºC (with SSD), from +5ºC to +40ºC (with HDD);

Storage temperature

- from +5ºC to +60ºC;

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

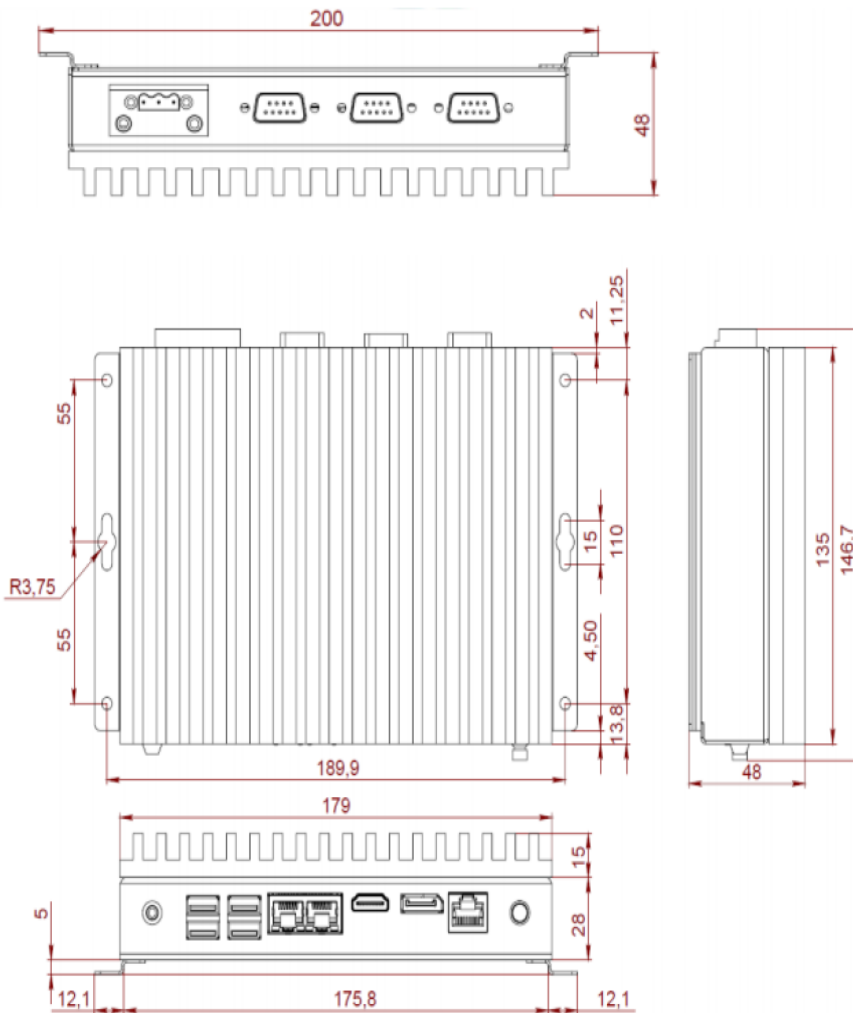- Phoenix power supply female connector, power supply unit ACDC 19V;

Warranty

- 2 years;

http://www.fastwel.com

Layout

ER-3100 (Advantix – powered by Fastwel)

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Fanless Embedded Computer

Ordering information

ER-3100 (Advantix - powered by Fastwel) Configuration

ER-3100 \Options

Configurations

ER-3100	Fanless Embedded Computer / Celeron® N3350 / 4GB DDR3 / 120GB SSD, 5..+50;
ER-3100-4C	Fanless Embedded Computer / Pentium® N4200 / 4GB DDR3 / 120GB SSD, 5..+50;
ER-3100-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability).

Delivery checklist

ER-3100 (Advantix - powered by Fastwel) delivery checklist contains:

1. ER-3100 (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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