

# ER-3101 (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 +5°C to +50°C (with SSD), from +5°C to +40°C (with HDD);
- Power supply: 9-36V DC;
- Cooling: Convection, passive;
- OS compatibility: Windows 10 IoT Enterprise, Linux;

### Overview

ER-3101 is the entry-level model in the AdvantiX (powered by Fastwel) line of fanless computers, which has 9-12 COM-ports and other expansion capabilities. The device is characterized by cost-efficiency and compact size. The computers support two independent digital video outputs (Dual Head).

### Technical Specifications

#### CPU

- CPU: Intel® Celeron® N3350 (2x cores, 1.1GHz / 2.4GHz turbo, 2MB L2, 6W);
- Intel® Pentium® N4200 (4x cores, 1.1GHz / 2.5 GHz 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);
- 9 x COM (RS-232/422/485, 5V or 12V);  
Connectors: 8 x DB9, 1 x RJ50;  
Option:
  - Audio output, microphone input;
  - 2 x antenna connectors;
  - 3 x RS-232 with DB9 connectors;

#### Cooling

- Convection, passive;

#### Watchdog

- Programmable;

#### Power supply

- 9-36V DC;

#### Operating temperature range

- from +5°C to +50°C (with SSD), from +5°C to +40°C (with HDD);

#### Storage temperature

- from +5°C to +60°C;

#### Dimensions

- 135 (D) \* 179 (W) \* 66 (H) (exclusive of connectors and fasteners);

#### Weight

- 1.9 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;
- Linux;

#### Delivery checklist

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

#### Warranty

- 2 years;



# ER-3101 (Advantix - powered by Fastwel) Fanless Embedded Computer

## Layout



Fastwel



Fastwel



Fastwel

### AdvantiX ER-3101



Front view



Rear view

# ER-3101 (Advantix - powered by Fastwel) Fanless Embedded Computer

## Ordering information

### ER-3101 (Advantix - powered by Fastwel) Configuration

#### ER-3101 \ Options

##### Configurations

ER-3101	Fanless Embedded Computer / Celeron® N3350 / 4GB DDR3 / 120GB SSD, 5..+50;
ER-3101-4S	Fanless Embedded Computer / Pentium® N4200 / 4GB DDR3 / 120GB SSD, 5..+50;
ER-3101-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability).

##### Delivery checklist

**ER-3101 (Advantix - powered by Fastwel) delivery checklist contains:**

1. ER-3101 (Advantix - powered by Fastwel) Embedded Fanless Computer
2. Phoenix power supply female connector, power supply unit AC/DC 19V
3. Packaging.

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Product specifications are subject to change without notice

## Corporate offices

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