

ER-8100 (Advantix - powered by Fastwel) High-Performance Intel® Core™ i7- Embedded Computer



Features

- CPUs: Intel® Core™ i7-9700TE, (1.8/3.8GHz, 12MB, 8x cores);
- Chipset: Intel® Q370;
- RAM: 4 – 64GB, 2 x DDR4-2400/2666, non ECC;
- GPU: integrated Intel UHD 630, up to 64GB, res. 4096x2304;
- Network: 2x Ethernet 10/100/1000 controllers (Intel® I210&I219LM);
- Operating temperature range: from +5°C to +40°C, or from -30°C to +60°C;
- Power supply: 12/19..28V DC;
- OS compatibility: Microsoft Windows 10 (64 bit), Linux

Overview

ER-8100 Embedded Computer is a high performance fanless computer equipped with powerful CPUs Intel®Core™i7-9700TE (1.8/3.8GHz, 12MB, 8x cores) or any other Intel Core CPU of the 8th or 9th generation and designed for the flawless functioning in the operating temperature range: from -30°C to +60°C.

Technical Specifications

CPU

- Intel® Core™ i7-9700TE (1.8/3.8GHz, 12MB, 8x cores) or any other Intel Core CPU of the 8th or 9th generation, LGA1151 socket with TDP, up to 35W;

RAM

- 4 – 64GB, 2 x DDR4-2400/2666, non ECC, single or two-channel;

Chipset

- Intel® Q370;

Video subsystem

- integrated graphics card Intel UHD 630, with up to 64GB, support of Triple Head with resolution up to 4096 x 2304, 60Hz;

Expansion slots

- 1 x M.2 (Key M, 2242/2260/2280) with support of PCIe x4 and SATA3;
- 1 x M.2 (Key E, 2230) with support of PCIe x1 • Desktop or wall-mounting (fasteners are and USB2.0;
- 1 x mPCIe (Full/Half);

Disk subsystem

- 2x external bays for 2.5" HDD/SSD SATA, support of RAID 0/1;
- M.2 slot (Key M, 2242/2260/2280) with support of PCIe x4 and SATA3;

Network

- 2x Ethernet 10/100/1000 controllers (Intel® I210 & I219LM);

Audio

- Two channel, HD Audio;

Ports

- 4 x USB 3.0 (front panel);
- 3 x DP (with Triple Head support);
- 2 x LAN (RJ-45);
- 4 x COM (2 x RS232/422/485, 2 x RS232);
- Audio In/Out;

Watchdog timer

- Programmable;

Power supply

- 12/19..28V DC;

Operating temperature

- From +5°C to +40°C, or from -30°C to +60°C;

Cooling

- Convection, passive;

Dimensions

- 293 (D) * 200 (W) * 88 (H) (mm);

Weight

- 5.5 kg;

Version design

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

Color

- Black;

OS compatibility

- Microsoft Windows 10 (64 bit), Linux;

Warranty

- 2-year warranty;



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Layout

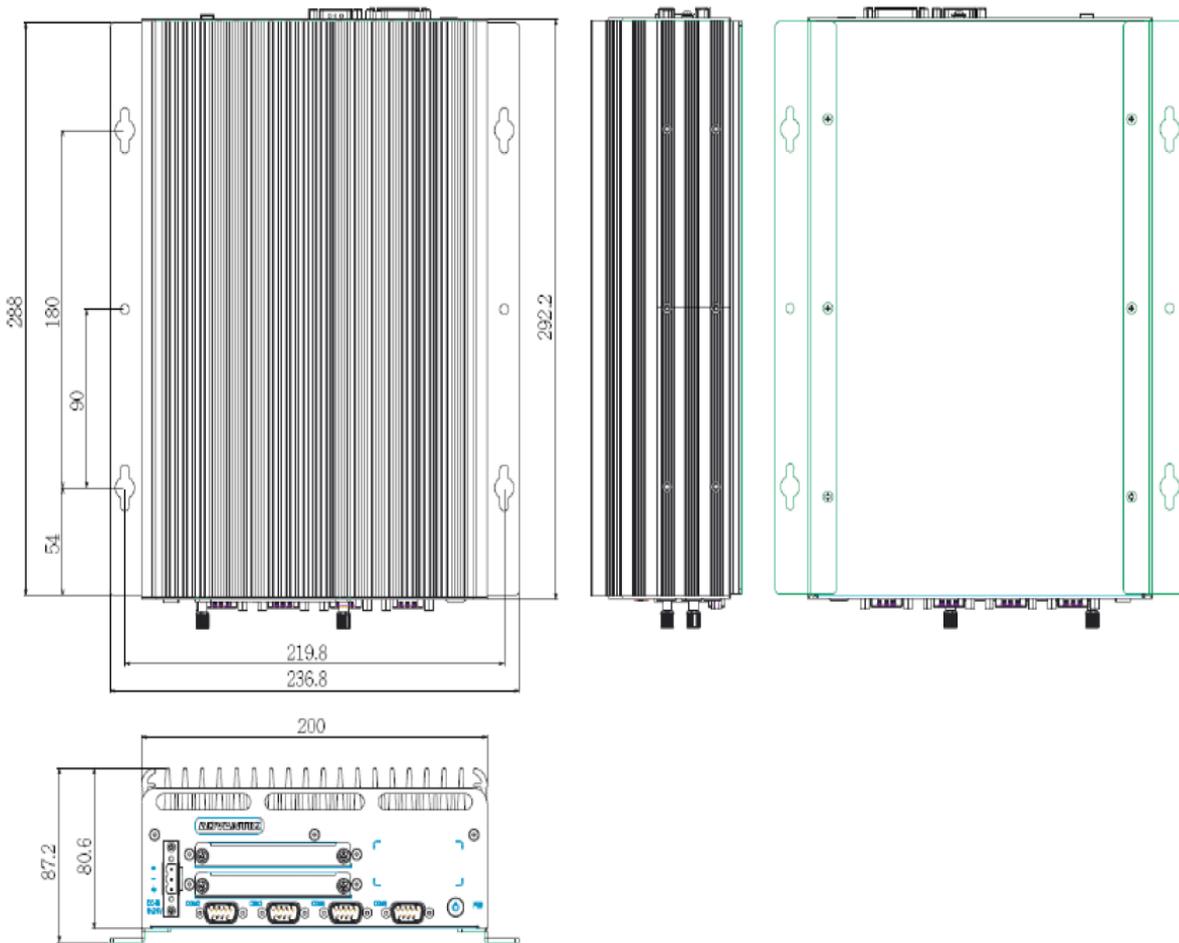
ER-8100 (Advantix - powered by Fastwel)



Front view



Rear view (GPU as an option)



ER-8100 (Advantix - powered by Fastwel) High-Performance Intel® Core™ i7- Embedded Computer

Ordering information

ER-8100 (Advantix - powered by Fastwel) Configuration

ER-8100 \ Options

Configurations

ER-8100	Fanless computer / Core i7-8700T 2.4GHz / 16GB DDR4 / 480GB SSD / power supply unit 220V;
ER-8100-I5	Fanless computer / Core i5-8500T 2.1GHz / 8GB DDR4 / 240GB SSD / power supply unit 220V;
ER-8100/WT4	Fanless computer / Core i7-8700T 2.4GHz / 16GB DDR4 / 480GB SSD / DC power supply, temperature range: from -30 to +60;
ER-8100-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability);

Delivery checklist

ER-8100 (Advantix - powered by Fastwel) delivery checklist contains:

1. ER-8100 (Advantix - powered by Fastwel) High-Performance Embedded Computer
2. Packaging.

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Product specifications are subject to change without notice

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