

ER-7100 (Advantix - powered by Fastwel)

Intel® Core™ i7/i5/i3/Pentium/Celeron High-Performance Fanless Computer



Features

- CPU: Intel® Core™ i7/i5/i3/Pentium/Celeron CPUs of 6/7 gen;
- Chipset: Intel® Q170
- RAM: 4 – 32GB, 2 x DDR4 SO-DIMM, non ECC, 1/2 channel;
- GPU: integrated, Intel HD Graphics 510/530/610/630, 4K;
- Network: 2 x Ethernet 10/100/1000 controllers, Intel i219LM + i211AT;
- Version design: Desktop or wall-mounting (fasteners are included in the set);
- Operating temperature range: +5°C ~ +40°C;
- Power supply: 12-24V DC;
- OS compatibility: Microsoft Windows 7 (32/64 bit, only Core 6 generation), Windows 10 (64 bit), Linux;

Overview

ER-7100(Advantix – powered by Fastwel) is a fanless computer characterized by its highperformance, fast video subsystem and great expansion capabilities enable to create wide range solutions based on ER-7100 – from data acquisition systems to video servers. Available for order until 2022+.

Technical Specifications

CPU

- Intel® Core™ i7/i5/i3/Pentium/Celeron CPUs of 6/7 generation;

Chipset

- Intel® Q170;

RAM

- 4 – 32GB, 2 x DDR4 SO-DIMM, non ECC, 1/2 channel;

Video subsystem

- Integrated: Intel HD Graphics 510/530/610/630, support of 3 x independent video outputs, 4K support;

Expansion slots

- 1 x PCI full-height, half-length;
- 1 x PCI-E x16 full-height, half-length;
- 2 x miniPCIe (with mSATA support);
- 2 x slots for SIM-card with access hole from the outside (modem is not included in the set);
- Option for 2 x PCIe slots instead of PCI-E+PCI;

Disk subsystem

- 2 x bays for 2.5" HDD/SSD SATA. Support of RAID 0/1;
- CFast slot;

Network

- 2 x Ethernet 10/100/1000 controllers, Intel i219LM + i211AT;

Audio

- 2 x channel, HD Audio;

Ports

- 6 x USB 2.0;
- 4 x USB 3.0;
- 1 x DVI-D, 1 x VGA, 2 x DP (with Triple Head support);
- 2 x LAN (RJ-45);
- 4 x COM (COM1: RS-232/422/485, the rest of them RS232);
- Audio In/Out (2 x minijack);

- 2-pin Remote Power ON/OFF connector;
- Audio output, microphone input;
- 2 x antenna connectors;

Watchdog

- programmable;

Power supply

- 12-24V DC;

Cooling

- Convection, passive;

Operating temperature range

- from +5°C to +40°C;

Dimensions

- 265 (D) * 210 (W) * 128.6 (H);

Weight

- 4.8 kg;

Version design

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

Color

- Dark-grey;

OS compatibility

- Microsoft Windows 7 (32 and 64 bit, only Core 6 generation);
- Microsoft Windows 10 (64 bit);
- Linux;

Delivery checklist

- Phoenix power supply female connector, power supply unit ACDC 12V;

Warranty

- 2 years;



ER-7100 (Advantix - powered by Fastwel) Intel® Core™ i7/i5/i3/Pentium/Celeron High-Performance Fanless Computer

Layout

ER-7100 (Advantix – powered by Fastwel)



Rear view



Front view



ER-7100 (Advantix - powered by Fastwel) Intel® Core™ i7/i5/i3/Pentium/Celeron High-Performance Fanless Computer

Ordering information

ER-7100 (Advantix - powered by Fastwel) Configuration

ER-7100 \ Options

Configurations

ER-7100	High-Performance Embedded Computer / Core i5-6500TE 2.3GHz / 8GB DDR4 / 240GB SSD / external power supply unit;
ER-7100-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability).

Available accessories

- IP211 – Riser card for 2 x PCIe slots (PCIe x8 + PCIe x 1);

Delivery checklist

ER-7100 (Advantix - powered by Fastwel) delivery checklist contains:

1. ER-7100 (Advantix – powered by Fastwel) High-Performance Embedded Fanless Computer;
2. Phoenix power supply female connector, power supply unit ACDC 12V
3. Packaging.

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Product specifications are subject to change without notice

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