ER-6100 (Advantix - powered by Fastwel)
High-Performance Fanless Computer

Features

- CPU: Intel® Core™ i7/i5/i3/Pentium/Celeron of 6/7 gen.;
- Chipset: Intel® Q170;
- RAM: 4 – 32GB, 2 x DDR4 SO-DIMM, non ECC, 1-/2 -channel;
- GPU: int. Intel HD Graphics 510/530/610/630, 4K support;
- Network: 2x Ethernet 10/100/1000 controllers, Intel i219LM + i211AT;
- Operating temperature range: from +5°C to +50°C (with SSD), from +5°C to +35°C (with HDD);
- Power supply: 12-24V DC;
- OS compatibility: Microsoft Windows 7 (32 and 64 bit, only Core 6th gen.) /10 (64 bit), Linux;

Overview

ER6100 (Advantix – powered by Fastwel) is a high-performance fanless computer, which is perfect for 24/7 operation in unmanned facilities. The device is characterized by high performance and compact size.

Available for orders until 2022+.

Technical Specifications

CPU

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

RAM

- 4 – 32GB, 2 x DDR4 SO-DIMM, non ECC, single- or two-channel;

Chipset

- Intel® Q170;

Video subsystem

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

Expansion slots

- 2 x miniPCIe (one of them with mSATA support);
- 2 x slots for SIM card with an access hole from outside (modem is not included in the set!);

Disk subsystem

- 1 x internal bay for 2.5" HDD/SSD SATA;
- CFast slot;

Network

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

Audio

- Two-channel, HD Audio;

Ports

- 4 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 the ports - RS232);
- Audio In/Out (2 x minijack);
- 2-pin connector Remote Power On/Off;
- 2 x antenna connectors;

Watchdog timer

- Programmable;

Cooling

- Convection, passive;

Operating temperature range:

- from +5°C to +50°C (with SSD), from +5°C to +35°C (with HDD);

Power supply

- 12-24V DC;

Dimensions

- 265 (D) * 210 (W) * 77(H) (exclusive of connectors and fasteners);

Weight

- 4.1 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 6th generation);
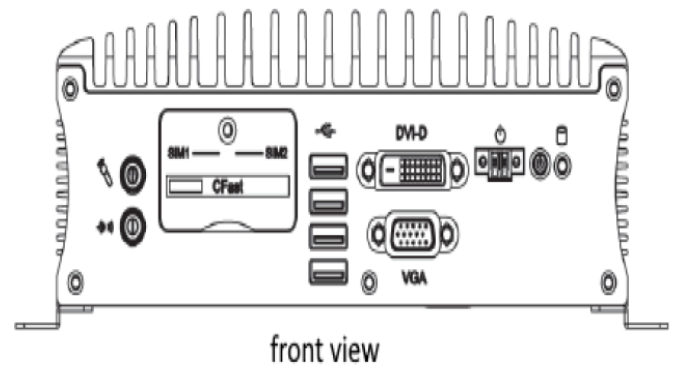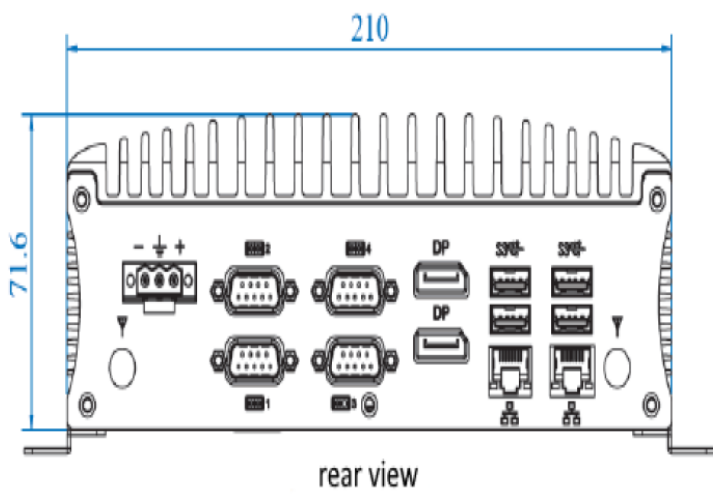- Microsoft Windows 10 (64 bit);
- Linux;

Warranty

- 2 years;

Layout

ER-6100 (Advantix – powered by Fastwel)

rear view

front view

Ordering information

ER-6100 (Advantix - powered by Fastwel) Configuration

ER-6100 \Options

Configurations

ER-6100	Fanless Embedded Computer / Pentium G4400TE 2.4GHz / 8GB DDR4 / 120GB SSD / external power supply unit;
ER-6100-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability).

Delivery checklist

ER-6100 (Advantix - powered by Fastwel) delivery checklist contains:

1. ER-6100 (Advantix - powered by Fastwel) Fanless Embedded Computer
2. Phoenix power supply female connector, power supply unit AC/DC 12V
3. Packaging.

Corporate offices