

# ERX-100 (Advantix - powered by Fastwel)

## Intel® Core i7-4700EQ Rugged Computer for Harshest Environments



### Features

- CPU: Intel® Core i7-4700EQ (4 x cores w/ HT, 2.4/3.4 GHz);
- Chipset: Intel® QM87 (Intel® DH82QM87 PCH);
- RAM: 4 – 8GB, XR-DIMM with ECC;
- Network: 2 x Ethernet 10/100/1000 controllers;
- GPU: integrated, Intel HD Graphics 4600, up to 3 x independent video outputs;
- Disk subsystem: 1 x bay for 2.5" SSD SATA, 64GB soldered SSD;
- Operating temperature range: from -40°C to +70°C;
- Power supply: 9-36V DC;
- OS compatibility: Microsoft Windows 7, 8.1 (including Embedded), Linux;

### Overview

Computers of the ERX series are vibration resistant: all the components are either soldered, or rigidly fixed by screws to the motherboard. Additional expansion modules are supplied in the StackPC format (graphics card, additional LAN-ports, etc). MiniPCIe-slots have rigid fasteners.

Also, if you need to install a high-capacity SSD to the devices of the ERX series (Advantix – powered by Fastwel), it is mounted into a hardfixed StackPC carrier-board. In this case, no wires are used and all connectors are soldered.

ERX series computers operate at full performance and at high and low temperatures: a specially designed convection cooling system with heat pipes removes heat to the upper and lower sides of the finned housing. Therefore, even a powerful Core i7 CPU works without loss of performance even at +70 degrees Celsius.

### Technical Specifications

#### CPU

- Intel® Core i7-4700EQ (4 x cores with HT, 2.4/3.4 GHz), 6M Cache (47W);

#### Chipset

- Intel® QM87 (Intel® DH82QM87 PCH);

#### RAM

- 4 – 8GB, XR-DIMM with ECC;

#### Video subsystem

- integrated: Intel HD Graphics 4600, up to 3x independent video outputs;

#### Expansion slots

- 2 x Mini PCIe;

#### Disk subsystem

- 1 x bay for 2.5" SSD SATA;
- 64GB soldered SSD;

#### Network

- 2 x Ethernet 10/100/1000 controllers: Intel® I210IT & i218-LM GbE;

#### Audio

- 2 x channel, HD Audio;

#### Ports

- 2 x USB 3.0 (front panel);
- 2 x USB 3.0 (rear panel);
- 1 x DVI, 2 x DP;
- 2 x LAN (RJ-45);
- 1 x RS232/422/485;
- Audio In/Out/Mic In;

#### Watchdog

- Programmable;

#### Power supply

- 9-36V DC;

#### Cooling

- Convection, passive;

#### Operating temperature range

- from -40°C to +70°C;

#### Storage temperature range

- from +5°C to +60°C;

#### Dimensions

- 149 (D) \* 250 (W) \* 76 (H);

#### Weight

- 6 kg;

#### Version design

- Desktop or wall-mounting;

#### Color

- Grey;

#### Vibration / Shock resistance

MIL-STD-810G test:

- Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock);
- Method 516.6 Shock-Procedure I Operating (Mechanical Shock);
- Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration);
- Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration);

#### OS compatibility

- Microsoft Windows 7, 8.1 (including Embedded);
- Linux;

#### Warranty

- 2 years;

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## Ordering information

### ERX-100 (Advantix - powered by Fastwel) Configuration

#### ERX-100 \Options

##### Configurations

ERX-100-01 Rugged Computer for the Harshest Environments / Intel® Core i7-4700EQ / 4 – 8GB, XR-DIMM with ECC /  
integrated: Intel HD Graphics 4600, -40°C ~ +70°C;

##### Delivery checklist

**ERX-100 (Advantix - powered by Fastwel) delivery checklist contains:**

1. ERX-100 (Advantix – powered by Fastwel) Rugged Computer for Harshest Environments
2. Packaging.

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Product specifications are subject to change without notice

## Corporate offices

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