

ERX-50 (Advantix - powered by Fastwel)

Entry Level Ultra-Rugged Embedded Computer for Harsh Environments



Overview

ERX-50 (Advantix – powered by Fastwel) is an entry-level embedded computer designed for operation in harsh environments. The computer features an ultra-rugged designed with IP68 protection. The device is characterized by fanless enclosure and compact size.

Features

- CPU: Intel Atom Processor E3845 Quad-Core 1.91 GHz;
- Disk subsystem: 1x mSATA slot for mSATA SSD;
- RAM: 1x DDR3L-1333 SO-DIMM, dual-channel, up to 8 GB;
- GPU: Intel HD graphics (Gen 7-LP) 4EU;
- Network: 1x Realtek RTL8111H Gigabit LAN Ethernet Controller;
- Expansion slots: 1x mPCIe (x1) slot for 3G/ LTE or WiFi modules;
- Operating temperature range: -40°C ~ +70°C;
- Power supply: 12V DC;
- OS compatibility: Win7 32/64-bit, Win8, Win8.1, WEI8.1, WEC 2013, Win10 32/64-bit Enterprise;

Technical Specifications

CPU

- Intel Atom Processor E3845 Quad-Core 1.91 GHz;

RAM

- 1x DDR3L-1333 SO-DIMM, dual-channel, up to 8 GB (non ECC);

Video subsystem

- Intel HD graphics (Gen 7-LP) 4EU;

Expansion slots

- 1x mPCIe (x1) slot for 3G/ LTE or WiFi modules;

Disk subsystem

- 1x mSATA slot for mSATA SSD;

Network

- 1x Realtek RTL8111H Gigabit LAN Ethernet Controller;

Ports

- 1x HDMI (C3 connector) – mating cable, option;
- 2x USB 2.0 (M12 connector);
- 1x Gigabit LAN (M12 connector);
- 1x RS232 (M12 connector) – mating cable, option;
- 1x DC power (M12 connector) – mating cable, option;
- 2x antenna connectors N jack with protection against moisture;
- 1x DIO (M12 connector) – mating cable, option;

Cooling

- Convection, passive;

Power supply

- 12 V DC;

Watchdog

- Programmable;

Operating temperature range:

- from -40°C to +70°C;

Dimensions

- 227 (D) * 192 (W) * 70 (H);

Weight

- 2.8 kg;

Version design

- Desktop/ Wall-mounting;

Color

- Black;

OS compatibility

- Win7 32/64-bit;
- Windows 8;
- Windows 8.1;
- WEI8.1;
- WEC 2013;
- Win10 32/64-bit Enterprise;

Delivery checklist

- ERX-50 Embedded Computer, 1x mating cable M12-USB, 1x omating cable M12-LAN, power cable (M12-Phoenix);

Warranty

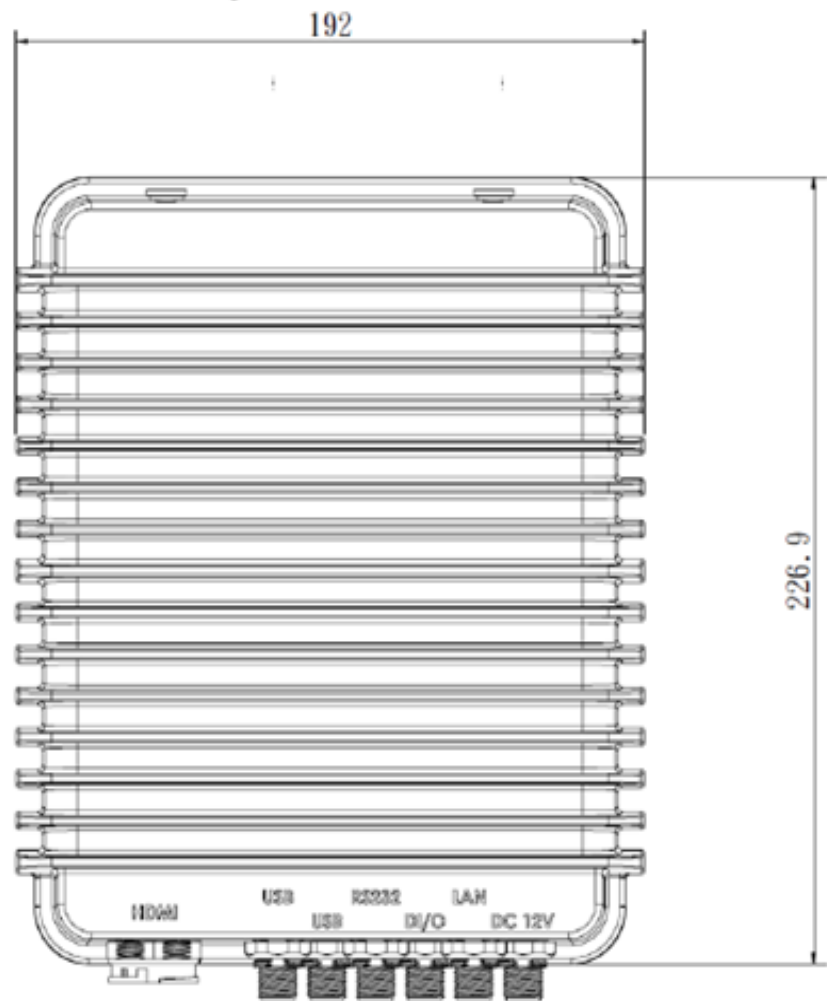
- 2 years;



ERX-50 (Advantix - powered by Fastwel) Entry Level Ultra-Rugged Embedded Computer for Harsh Environments

Layout

General layout



Front panel



ERX-50 (Advantix - powered by Fastwel) Entry Level Ultra-Rugged Embedded Computer for Harsh Environments

Ordering information

ERX-50 (Advantix - powered by Fastwel) Configuration

ERX-50 \Options

Configurations

ERX-50	Entry Level Ultra-Rugged Embedded Computer for Harsh Environments / Intel Atom Processor E3845 Quad-Core 1.91 GHz / RAM: 1x DDR3L-1333 SO-DIMM, dual-channel, up to 8 GB (non ECC)/ 128GB SATA SSD / Intel HD graphics (Gen 7-LP) 4EU / 12 V DC;
ERX-XXXXXXX	Custom configuration in accordance with technical specification

Delivery checklist

ERX-50 (Advantix - powered by Fastwel) delivery checklist contains:

1. ERX-50 (Advantix - powered by Fastwel) Entry Level Ultra-Rugged Embedded Computer for Harsh Environments
2. Packaging.

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Product specifications are subject to change without notice

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