ER-MTR7000 (Advantix - powered by Fastwel)
Transportation Fanless Computer

Features

- CPU: Intel Core i7-6600U 2.6 GHz/Intel Core i3-6100U 2.3GHz;
- RAM: 2x 4GB DDR4-2133 SO-DIMM (Dual Channel);
- GPU: integrated Intel HD graphics Gen. 9;
- Disk subsystem: 2 x bays for 2.5" HDD/SSD SATA, CFast slot;
- Power supply: from 9V to 36V / 72V / 110V DC (available as option);
- Operating temperature range: from -40°C to +60°C (with SSD);
- Network: 2 x M12 GbE;
- Audio: 2-channel, HD Audio;
- OS compatibility: Microsoft Windows 7 (32 and 64 bit, Core 6 generation only), 10 (64 bit), Linux;

Overview

ER-MTR7000 Fanless Computer (Advantix – powered by Fastwel) is designed for railway application in the 24/7 unmanned mode. The device is characterized by high performance, M12 network ports, wide range of supplying voltage, possibilities for expansion or modification and complies with the EN50155 standard.

Technical Specifications

CPU

- Intel 6th Gen. Core i7-6600U 2.6 GHz;
- Intel 6th Gen. Core i3-6100U 2.3 GHz;

RAM

- 2x 4GB DDR4-2133 SO-DIMM (Dual Channel);

Video subsystem

- integrated Intel HD graphics Gen. 9;

Expansion slots

- 1 x half-size Mini PCI-E socket (USB 2.0);
- 1 x full-size Mini PCI-E socket (USB 2.0 + PCI-E);
- 1 x 2230 Socket 1 M.2 socket (USB 2.0 + PCI-E);
- 1 x 3042 Socket 2 WWAN M.2 socket (USB 2.0);
- 1 x 2280 Socket 3 SSD M.2 socket (SATA);
- 1x PCI-E (x4);

Disk subsystem

- 2 x bays for 2.5" HDD/SSD SATA;
- CFast slot;

Network

- 2 x M12 GbE;

Audio

- 2-channel, HD Audio;

Ports

- 2 x USB 3.0;
- 1 x USB 2.0;
- DVI-D, VGA;
- 3 x COM-ports (one of them RS232/422/485);
- 2 x M12 GbE;
- 2 x M12 USB 2.0;
- 2 x connectors for SIM;
- 4 x antenna outputs;
- 1 x GPIO;
- M12 power input;

Watchdog

- programmable;

Power supply

- 9V~36V / 72V / 110V DC (option);

Cooling

- Convection, passive;

Operating temperature range

- from -40°C to +60°C (with SSD);

Dimensions

- 256 (D) * 182 (W) * 83 (H);

Weight

- 3.6 kg;

Version design

- Special-purpose fasteners;

Color

- Black;

OS compatibility

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

Delivery checklist

- DC M12 female connector, 120 W power supply unit (for testing);
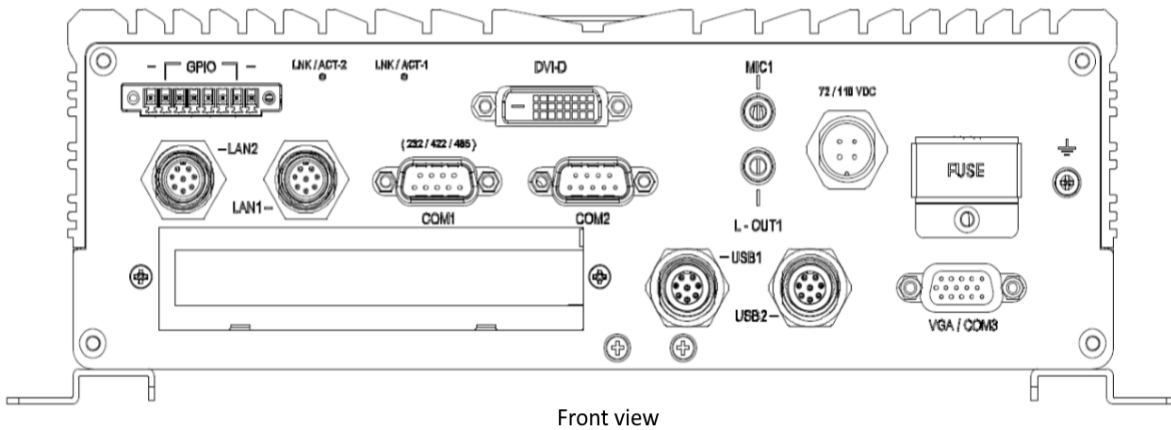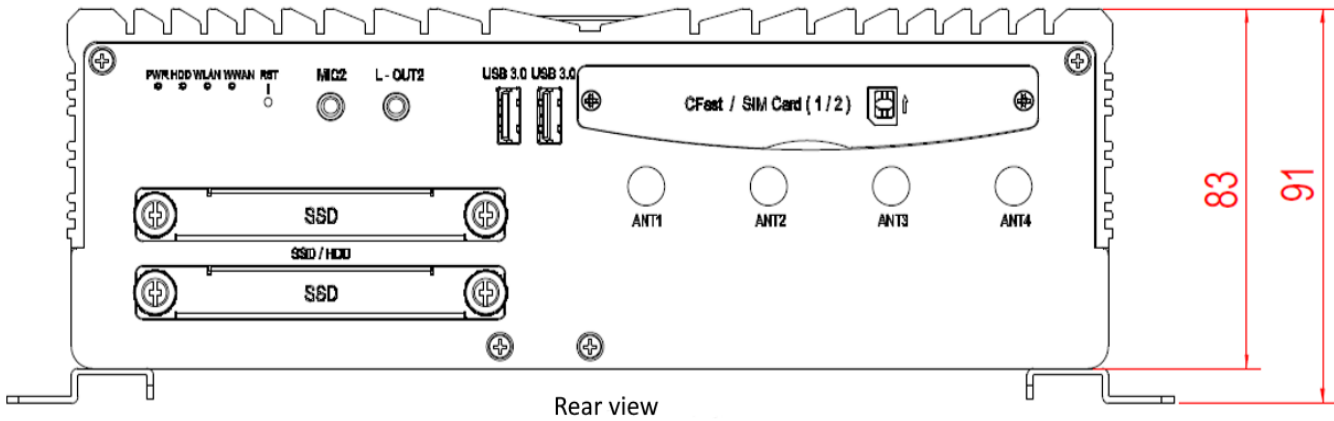
Warranty

- 2 years;

Layout

ER-MTR7000 (Advantix – powered by Fastwel)

Rear view

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Front view

Ordering information

ER-MTR7000 (Advantix - powered by Fastwel) Configuration

ER-MTR7000 \Options

Configurations

ER-MTR7000	Embedded Fanless Computer / Intel Core i7-6600U 2,6 GHz/ 2x4GB DDR4/ 240GB SSD / power supply unit 12V DC, 120 W (for testing);
ER-MTR7000-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability).

Delivery checklist

ER-MTR7000 (Advantix - powered by Fastwel) delivery checklist contains:

1. ER-MTR7000 (Advantix – powered by Fastwel) Embedded Fanless Computer
2. DC M12 female connector, 120 W power supply unit (for testing)
3. Packaging.

Corporate offices

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