

# ER-MTR3000 (Advantix - powered by Fastwel)

## Fanless Transportation Embedded Computing System



### Features

- CPUs: Intel Atom Processor E3845 1,91 GHz;
- RAM: 2x 2 GB DDR3L-1333 SO-DIMM (Dual Channel);
- GPU: integrated IntelHD for Intel Atom CPU (Z3700 series);
- Network: 2x M12 GbE
- Operating temperature range: from -40°C to + 60°C (with SSD);
- Power supply: 9V~36V / 72V / 110V DC (as option);
- OS compatibility: Microsoft Windows 7/10, Linux;
- Weight: 2.6 kg;

### Overview

The ER-MTR3000 (Advantix - powered by Fastwel) fanless computer is designed for use in railway transport. The device can be operated in a 24/7 mode, unattended, in the extended operating temperature range. The device is equipped with M12 network and USB ports, a wide range of power supply voltages, as well as expansion and modification capabilities.

Available for order until 2022+.

### Technical Specifications

#### CPU

- Intel Atom Processor E3845 1,91 GHz;

#### RAM

- 2x 2 GB DDR3L-1333 SO-DIMM (Dual Channel);

#### Video subsystem

- Integrated Intel HD for Intel Atom CPU of the Z3700 series;

#### Expansion slots

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

#### Disk subsystem

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

#### Network

- 2x M12 GbE;

#### Audio

- Two channel, HD Audio;

#### Ports

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

- M12 power input;

#### Watchdog timer

- Programmable;

#### Power supply

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

#### Operating temperature

- from -40°C to +60°C (with SSD);

#### Cooling

- Convection, passive;

#### Dimensions

- 256 (D) \* 182 (W) \* 68 (H);

#### Weight

- 2.6 kg;

#### Version design

- Special purpose fastening;

#### Color

- Black;

#### OS compatibility

- Microsoft Windows 7/10, Linux;

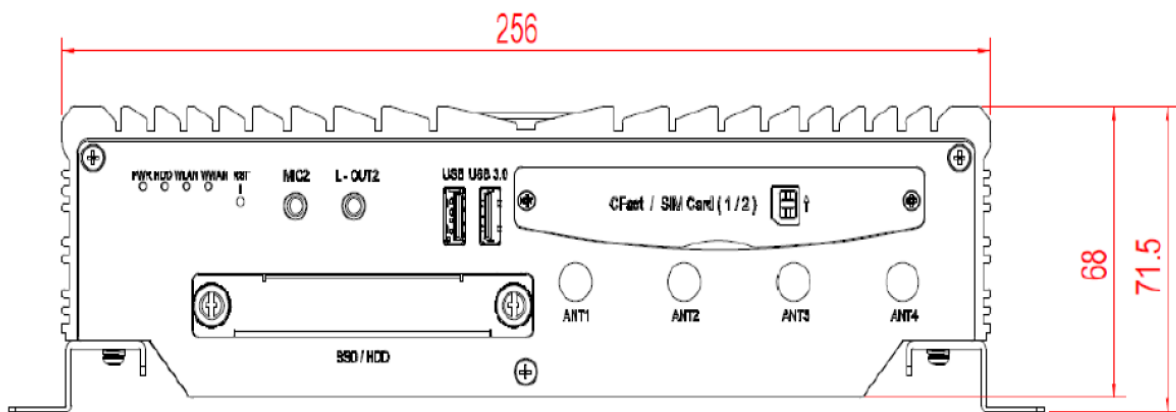
#### Warranty

- 2-year warranty;

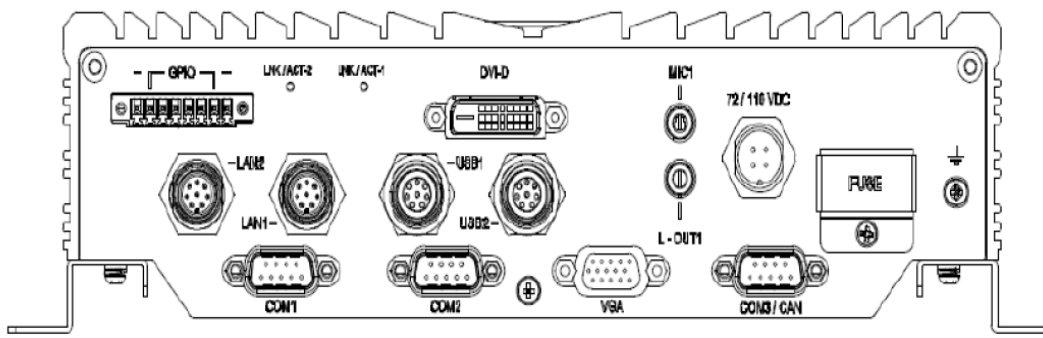


# ER-MTR3000 (Advantix - powered by Fastwel) Fanless Transportation Embedded Computing System

## Layout



Rear view



Front view

# ER-MTR3000 (Advantix - powered by Fastwel) Fanless Transportation Embedded Computing System

## Ordering information

### ER-MTR3000 (Advantix - powered by Fastwel) Configuration

#### ER-MTR3000 \Options

##### Configurations

ER-MTR3000	Embedded computer based on the Intel Atom E3845 1,91 GHz / 4GB DDR3L/ 240 GB SSD / power supply unit 120 W (for testing purposes);
ER-MTR3000-XXX	Custom configuration in accordance with the customer requirements. Delivery time – from 2x weeks (depending on components availability);

##### Delivery checklist

###### ER-MTR3000 (Advantix - powered by Fastwel) delivery checklist contains:

1. ER-MTR3000 (Advantix - powered by Fastwel) Fanless Transportation Embedded Computer
2. DC M12 female connector, power supply unit: 120 W (for testing purposes);
3. Packaging.

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Product specifications are subject to change without notice

## Corporate offices

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