ERMETRIS
Creating Simplicity

DIONE

On-Board Computer

Overview

The Ermetris On-Board Computer is a general-purpose device commonly used as Pubblic Addressing or Passenger information System manager.

The core is a microprocessor board based on a Q7 computer module that connects to external devices.

The system has to be connected to a battery with a nominal voltage equal to 24VDC. The battery has to be compliant to applicable standards.

The system has to be used with appropriate wires that respect the corresponding standards.

General Features

- Processor: Intel® Celeron® N2930, Quad Core @1.83GHz, 4GB RAM, 8GB Flash disk
- 24Vdc (range 16.8 ~ 36Vdc) on M12 A code connector
- 1x Ethernet 10/100
- 4x Audio Inputs
- 4x Audio Output
- 2x Isolated RS232/485 programmable serial interface
- 1x HDMI video output
- 1x Relay contact 5A @50V
- 4x Digital In
- 6x Digital out
- 2x USB 2.0
- 1x Compact Fast (internal)
- 1x M-SATA (internal)
- 1x Mini-PCI Express (internal)

Technical Specification

- M12- D Ethernet connector
- M12-A Power connector 24VDC EN50155
- LED indicator

Power Supply

- 24 VDC nominal EN50155 compliant
- Consumption: 10 W max

Physical Characteristics

- Overall dimensions: 134 x 160 x 61 mm (W x L x H)
- Weight: < 3 kg

Environmental Characteristics

- Operating temperature range: -25 to +70°C EN 50155 class T3

Compliance

- EN 50155 for Railway applications
- EN 61373 Random Vibration & Shock Testing
- EN 50121 Railway applications. Electromagnetic compatibility
- EN45545 Fire and smoke

Order Code

- DN-1000-00: Dione On board Computer Processor: Intel® Celeron® N2930, Quad Core @1.83GHz, 4GB RAM, 16 GB CFAST, 1 x Ethernet, 1 x RS232, 1x RS485 serial ports, Audio matrix 4 input , 4 Output, 2 x USB, 1 HDMI,4 digital in and 4 digital out, 24Vdc