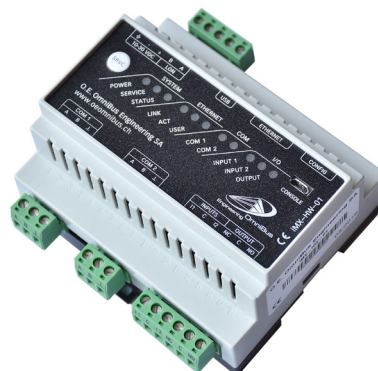
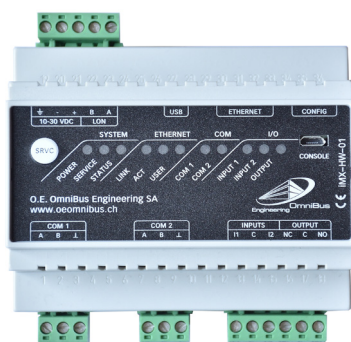


Field-Server R2

The LonWorks® Field-Server module belongs to the OmniACCESS line of products and it is used for the realization of complete and modular access control systems.



DESCRIPTION

The module is equipped with a powerful 32-Bit processor and has a flash memory of 4 GB, which, in combination with the FT6K-GC-225 modules connected to the same LonWorks network, allow for the autonomous management of up to 8 gates.

It possesses 2 digital inputs and 1 digital output which allow its use for the direct management of a single gate.

Through the 2 serial ports and the Ethernet interface, the field server is able to manage different communication protocols which allow the integration of many access control devices.

The configuration of each gate (access rights, time slots, exceptions, ...) defined using the OmniACCESS Suite, is memorized in the flash memory, which is also used to store all events registered by the gates (transits, alarms, blocks, ...) before they are transmitted and stored within the OmniACCESS Suite.

The transmission of all information, which is encrypted using a proprietary algorithm, occurs through a TCP/ IP protocol on the Ethernet network

MAIN FEATURES

- Management of 8 gates / 16 readers;
- Management of 500 time-slots, 500 exceptions, and 500 holidays;
- The number of managed badges and the number of events which can be memorized depend exclusively on the storage capacity (4GB);
- 2 digital inputs and one digital output;
- Lonworks FTT-10 interface;
- Ethernet 10/100 Mbit/s interface;
- 2 serial interfaces RS232/RS485 which are configurable through software;
- USB Host port;
- Software drivers for the management of readers with OSDP interface, Aperio devices (through RS485 Hub) and TBS Biometric Systems

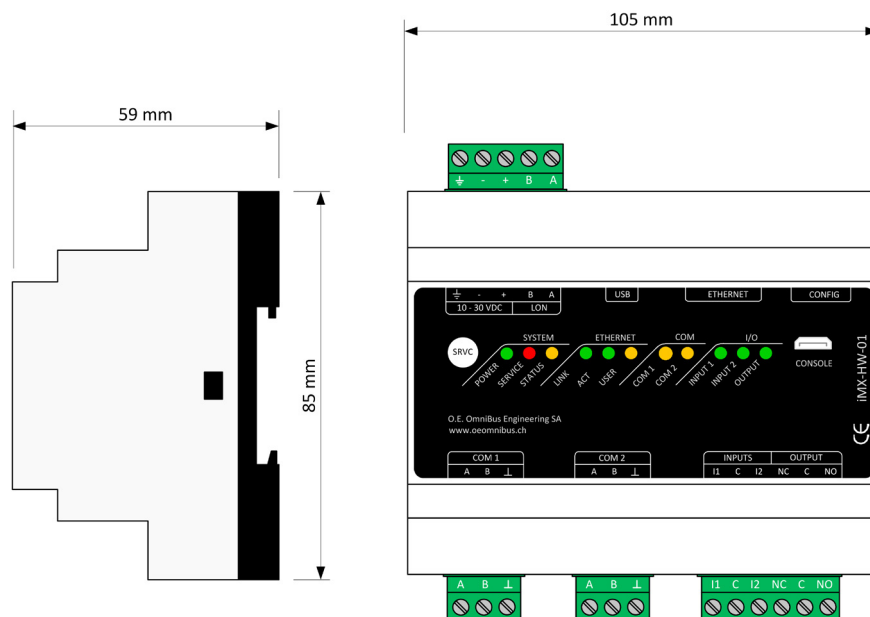


FIELD SERVER R2

Technical specifications

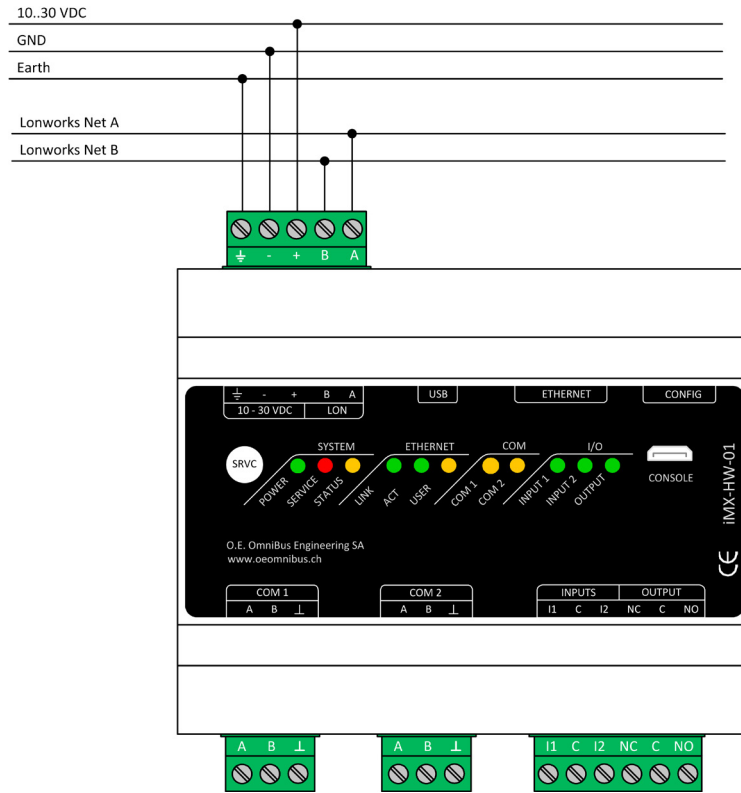
Power supply	10...30 VDC, 3.5W (Power supply SELV according to regulation EN 60950-1) Removable connector 5-Pin 5.08 mm pitch (shared with Lonworks interface)
Communication interface	Lonworks FTT-10 78Kbps 2- wire without polarity, removable connector 5.08 mm pitch Ethernet 10/100 Mbits, with standard connector RJ45 2 serial ports RS232/RS485 configurable through software, removable connector 5.08 mm USB Host port
CPU	CPU 32 bits ARM Cortex A9 @ 1.0. GHz Real Time Clock con backup battery
Memory	4 GB Flash eMMC 256 MB DDR3
Digital outputs	1 relay with NA and NC contacts. Resistive loads specifications Maximum switching power 60 W Maximum switching voltage 27 VDC Maximum switching current 2 A Removable connector 6-Pin 5.08 mm pitch (shared with digital inputs)
Digital inputs	2 self-powered inputs (potential free contacts). Removable connector 6-Pin 5.08 mm pitch (shared with digital outputs)
Environmental operating limits	Temperature: -5°...+45 °C Humidity: 10..90% @ +50°C non-condensing
Environmental limits for storage	Temperature: -10°...+60 °C Humidity: 10..90% @ +50°C non-condensing
Container	Polycarbonate container (UL 94 V-0) white (top) and black (bottom) for assembly on a DIN rail
Dimensions	6 TE - 105 x 115 x 60 mm (length x width x height)
Assembly	On DIN rail, according to regulation EN 50022 Do not install outdoors or in humid environments (bathrooms, swimming pools, etc.) if not in containers with proper protection for use.
Disposal	Dispose in compliance with the directives 2002/95 / EC (WEEE devices)

Size and Layout



FIELD SERVER R2

Power supply and Lonworks interface



Digital inputs and outputs

