IOMod 16DI

Features

- 16 digital inputs
- Configurable active input signal polarity or input inversion
- Pulse count and ON time count
- Galvanically isolated inputs
- Configuration over USB console
- Drag and Drop firmware upgrade over USB mass storage
- Modbus, IEC-60870-5-103 communication over RS485
- Software selectable termination resistor on RS485
- LED indication for input and data transmission
- Easy connection with **WCC Lite** gateway and **CloudIndustries.eu** platform

Concept

IOMod 16DI is a stand-alone Modbus (RTU) and IEC 60870-5-103 digital input and digital output controller. Designed to achieve high technological look and compact fit on DIN rail (EN 60715), **IOMod 16DI** is used for industrial applications where digital signaling is used and robust communication is essential.

IOMod 16DI is an ideal solution for such applications as data acquisition, observation, control, process monitoring, testing and measurement remotely. It is controlled over Modbus or IEC 60870-5-103 protocol, and can be connected in parallel with other Modbus or IEC 60870-5-103 equipment in a multi-drop installation scheme such as any SCADA system.

When using **IOMod 16DI** with **WCC Lite** gateway it is possible to monitor/control the I/O signals over Ethernet LAN's or 3G/4G(LTE)/GSM/GPRS networks. It is a powerful solution for remote monitoring and control, alarm management and data logging of I/O's on **CloudIndustries.eu** cloud platform.

Modbus Master ⟷ **IOMod (Modbus slave) IEC 60870-5-103** ⟵ **16 Digital Inputs**

Characteristics

System
Digital inputs   16
PC USB connection   Mini USB
Input connectors   Screw terminal plug connector

Software
Configuration   Over USB console
Firmware upgrade   Over USB mass storage

Communication
Communication standard   RS485
Communication protocol   Modbus (RTU) and IEC 60870-5-103
Speed   300 – 256000 baud

Electrical Characteristics
Termination resistor   Software selectable, 120Ω
Power supply   9-33VDC (full range)
Max power consumption   70mA
Avg. power consumption   60mA

Mechanical Characteristics
Operating temperature   -40 ÷ +85 °C
Humidity   5-95% RH (non-condensing)
Casing   IP20, blend PC/ABS self-extinguishing, black
Dimensions   119 (H) x 17.5 (W) x 101 (L), mm
Mounting   DIN rail
Warranty   2 years

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