

IOMod 8DI8DO



Features

- 8 digital inputs
- Configurable active input signal polarity or input inversion
- Pulse count and ON time count
- 8 digital open collector outputs
- Galvanically isolated inputs and outputs
- 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/output and data transmission
- Easy connection with **WCC Lite** gateway and **CloudIndustries.eu** platform



Concept

IOMod 8DI8DO 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 8DI8DO** is used for industrial applications where digital signaling is used and robust communication is essential.

IOMod 8DI8DO 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 8DI8DO** 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.



Characteristics

System

Digital inputs	8
Digital outputs	8 (open collector)
PC USB connection	Mini USB
Input / output 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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