Ethernet I/O Module

CE · RoHS · REACH COMPLIANCE · ISO 9001:2015 CERTIFIED COMPANY · 3 YEARS WARRANTY · EXPORTED TO MORE THAN 60 COUNTRIES
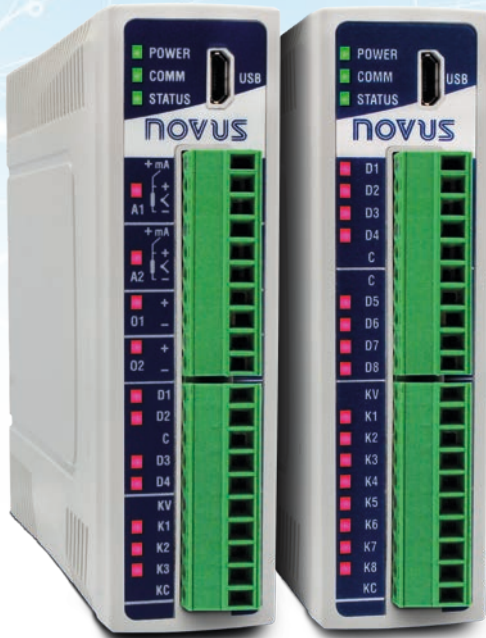
applicable for INDUSTRY 4.0

DigiRail Connect

- **Mixed I/Os (Analog and Digital)**
- **Ethernet Modbus TCP**
- **RS485 Modbus RTU**
- **USB configurable**
- **Robust and Reliable for Industry**

DigiRail Connect is a versatile DIN rail I/O module with Ethernet interface which can be easily integrated to any automation system.

With a flexible mix of industry-standard inputs and outputs, it performs field analog and digital signal handling with outstanding accuracy.

Bringing the Industry 4.0 to the DIN rail level, the connectivity of **DigiRail Connect** allows it to be used as a Modbus RTU slave in RS485 networks or as a Modbus TCP server over Ethernet.

Specially designed to comply with international electromagnetic compatibility standards, it ensures robustness and reliability in the most demanding industrial applications.
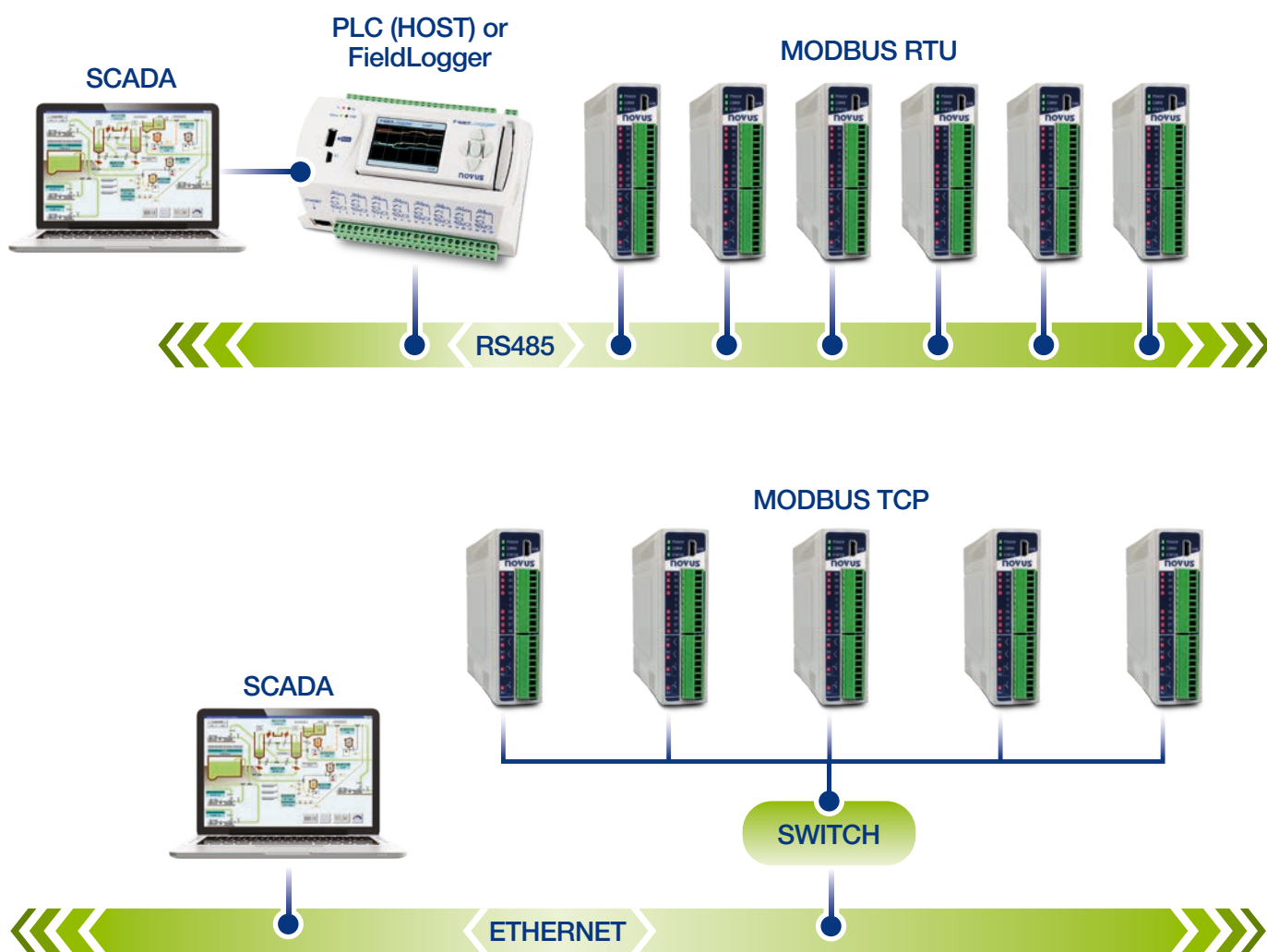

ETHERNET INDUSTRY NETWORK

www.novusautomation.com/en/digirailconnect

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Technical Specifications

Models	RAMIX Rich Analog Mix	DMIX Digital Mix
Inputs	4 digital, 2 analog (isolated)	8 digital
Outputs	3 digital or 2 relays, 2 analog (isolated)	4 relays or 8 digital
Analog Input Types	Thermocouple J, K, T, N, E, R, S and B Pt100, Pt1000, NTC, 0-60 mV, 0-5 V, 0-10 V, 0-20 mA, 4-20 mA	-
Analog Output Types	0-20 mA, 4-20 mA, 0-10 V	-
Analog Resolution	Analog inputs: 16 bits (65000 levels) Analog outputs: 12 bits	-

Communication Interface	USB IEEE standard 802.3u Ethernet 10/100 Mb/s RS485 CAN (future release)
Communication Protocol	Modbus RTU Slave (RS485) Modbus TCP Server (Ethernet)
Software	**NOVUS NXperience** (via USB)
Power Supply	Voltage: 10 Vdc to 36 Vdc Maximum Power Consumption: 5 W Typical Current Consumption: 20 mA
Operating Conditions	Temperature: -20 to 60 °C (-4 to 140 °F) Humidity: 5 to 95% RH, non-condensing
Enclosure	ABS+PC

Topology Examples

SCADA — PLC (HOST) or FieldLogger — MODBUS RTU — RS485

SCADA — MODBUS TCP — SWITCH — ETHERNET

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