

Ethernet I/O Module



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



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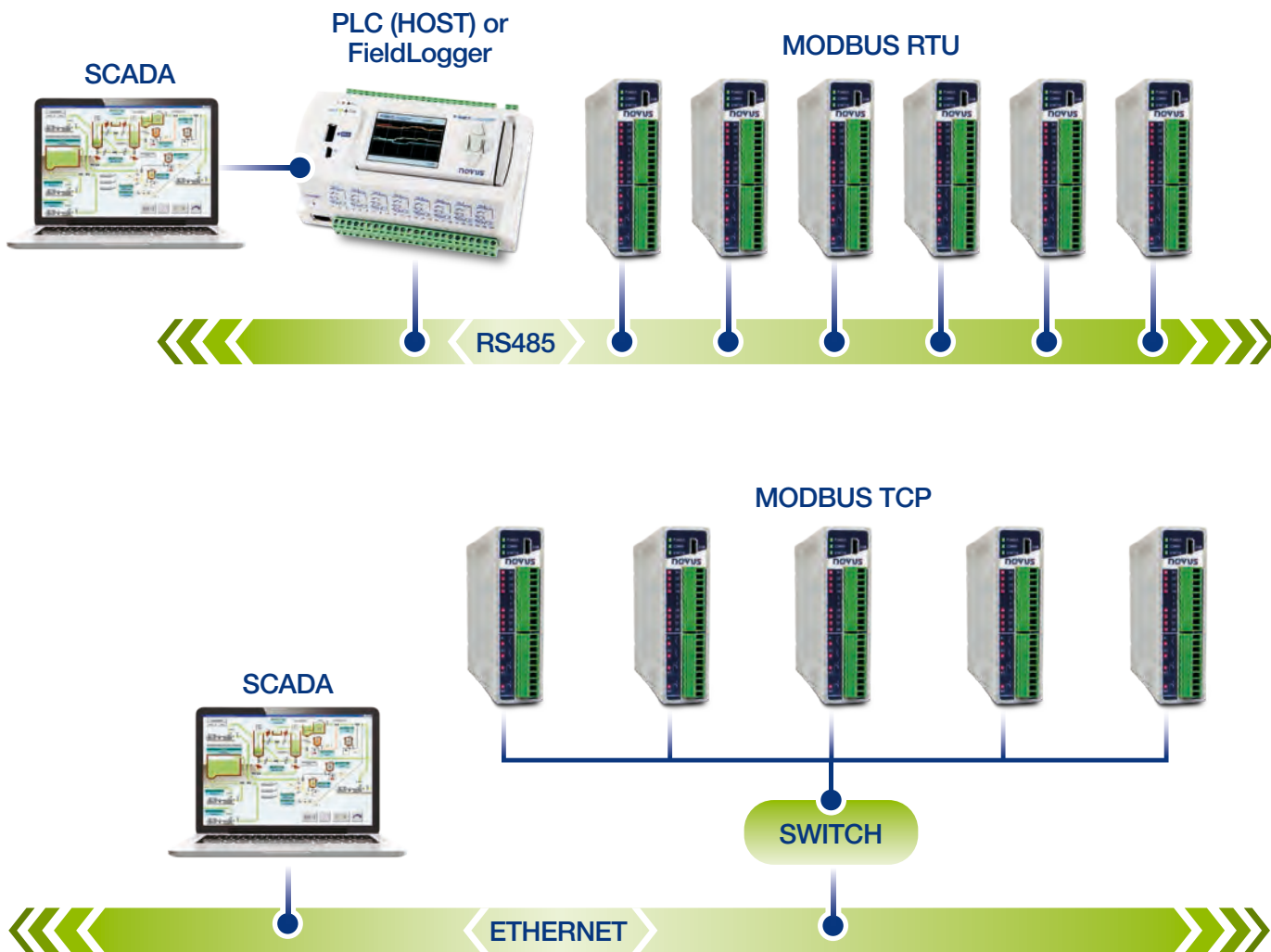
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Technical Specifications

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



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Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.



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