



Ethernet I/O Module



- 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.

DigiRail Connect



ETHERNET INDUSTRY NETWORK

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Technical Specifications

| | | | | |
|----------------------------|--|--------------------------|--------------------------------|---|
| Models | RAMIX Rich Analog Mix | DMIX Digital Mix | Communication Interface | USB IEEE standard 802.3u Ethernet 10/100 Mb/s RS485 CAN (future release) |
| Inputs | 4 digital, 2 analog (isolated) | 8 digital | Communication Protocol | Modbus RTU Slave (RS485) Modbus TCP Server (Ethernet) |
| Outputs | 3 digital or 2 relays, 2 analog (isolated) | 4 relays or 8 digital | Software | NOVUS NXperience (via USB) |
| 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 | - | Power Supply | Voltage: 10 Vdc to 36 Vdc Maximum Power Consumption: 5 W Typical Current Consumption: 20 mA |
| Analog Output Types | 0-20 mA, 4-20 mA, 0-10 V | - | Operating Conditions | Temperature: -20 to 60 °C (-4 to 140 °F) Humidity: 5 to 95% RH, non-condensing |
| Analog Resolution | Analog inputs: 16 bits (65000 levels) Analog outputs: 12 bits | - | Enclosure | ABS+PC |

Topology Examples

