



DigiRail Connect

ETHERNET I/O MODULE FOR INDUSTRY 4.0



- Rich Mixed I/O (Analog I/O and Digital I/O)
- Ethernet Modbus TCP
- RS485 Modbus RTU
- USB programmable
- Robust and Reliable for Industry

DigiRail Connect is a versatile module to be used as I/O extension of any cross brand automation system. Its rich mixed inputs and outputs offer industrial standard analog and digital signaling. The available DigiRail Connect options ensure the choice of suitable configuration for the customer application.

Bringing the Industry 4.0 to the rail level, its connectivity provides capability to be used as slave Modbus RTU device through RS485 interface or still server Modbus TCP device under Ethernet network.

Specially designed for harsh environment, DigiRail Connect complies with the rigorous EMC and EMI standards regulations, providing robustness and reliability for industrial applications.



ETHERNET INDUSTRY 4.0

Technical specifications

Input Channel	RAMIX models: 4 digital and 2 analog (isolated) DMIX models: 8 digital
Output Channel	RAMIX models: 3 digital or 2 Relay and 2 Analog (isolated) DMIX models: 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 CAN (future release) Ethernet: 10/100 Mb/s, IEEE standard 802.3u RS485
Software	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

