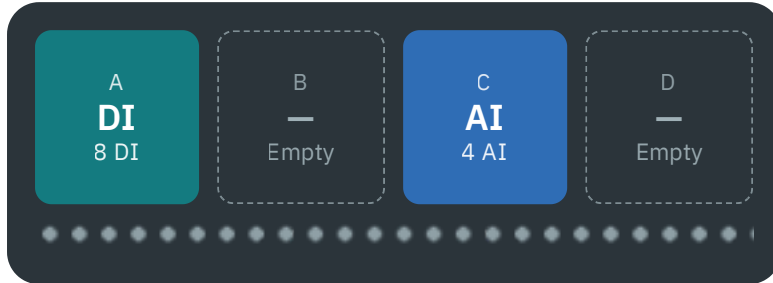


ION8-1030

Model Sheet · October 2026

Remote I/O unit with 8 digital inputs + 4 analog inputs

I/O layout



Model code	ION8-1030
Total channels	12
Signal terminals	16

Slot layout (schematic view)



DI: Digital input · AI: Analog input

Key capabilities

- 8 digital inputs
- 2 quadrature encoder inputs + 2 pulse counters
- Software pulse counter and frequency reading on every input
- Encoder and counter functions share the module's inputs; they do not add channels.
- 4 analog inputs
- Signal chain monitored and set from the web interface: filter, gain, scaling
- Per-unit calibration
- Bluetooth LE 5; adaptive channel selection and adaptive transmit power
- Built-in web interface for monitoring, configuration and commissioning

Typical use in wire & cable

- Collecting analog sensor measurements and digital status in one unit
- Commissioning with filter, gain and scaling in the web interface
- Speed and footage monitoring with an encoder and pulse counter

Connecting to a PLC

Mirroring

Inputs are passed to the matching outputs of the paired ION8; no PLC needed.

PLC through ION8 EB

8 remote stations on one ION8 EB. Siemens S7 PUT/GET, Modbus TCP, EtherNet/IP, OPC UA; RS485 Modbus RTU master / slave.

ETH2BLE

An existing Ethernet and RS485 line is carried between two ION8 EB units through a wireless tunnel.

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Electronics for Wire & Cable Industry