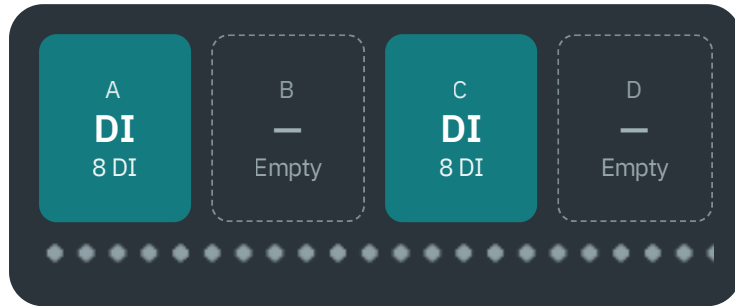


ION8-1010

Remote I/O unit with 16 digital inputs

Model Sheet · October 2026

I/O layout



Slot layout (schematic view)

Model code	ION8-1010
Total channels	16
Signal terminals	16

16 DI

DI: Digital input

Key capabilities

- **16 DI** = 2 × 8-channel digital input module
- Per module: 2 quadrature encoder inputs + 2 pulse counters
- Per module: Software pulse counter and frequency reading on every input
- Per module: Encoder and counter functions share the module's inputs; they do not add channels.
- Bluetooth LE 5; adaptive channel selection and adaptive transmit power
- Built-in web interface for monitoring, configuration and commissioning

Typical use in wire & cable

- Remote monitoring of sensor, switch and status signals on drawing and take-up lines
- Length and speed monitoring with an encoder, product and pulse counting
- Carrying status information wirelessly to the PLC or to a paired ION8

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.

Contact

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