

ION8-1111

Remote I/O unit with 32 digital inputs

Model Sheet · October 2026

I/O layout



Slot layout (schematic view)

Model code	ION8-1111
Total channels	32
Signal terminals	32

32 DI

DI: Digital input

Key capabilities

- **32 DI** = 4 × 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

- Monitoring many sensors and switches from one unit on multi-station machines
- Footage and speed monitoring with an encoder and pulse counter
- Extending input points on long lines without running cables

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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