ION8-1325

Model Sheet · October 2026

Combined remote I/O with loadcell input: 8 DI + 4 AI + 8 DO + 2 isolated loadcell

I/O layout

Slot layout (schematic view)

Model code	ION8-1325
Total channels	22
Signal terminals	32

8 DI · 8 DO · 4 AI · 2 LC

DI: Digital input · DO: Digital output · AI: Analog input · LC: Isolated loadcell

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.
- 8 digital outputs
- 4 PWM channels with adjustable frequency and duty cycle
- Pulse/direction output
- The PWM channels are part of the module's 8 outputs; they are not additional outputs.
- 4 analog inputs
- Signal chain monitored and set from the web interface: filter, gain, scaling
- Per-unit calibration
- 2 isolated loadcell input channels
- For weighing and wire tension monitoring applications
- Bluetooth LE 5; adaptive channel selection and adaptive transmit power
- Built-in web interface for monitoring, configuration and commissioning

Typical use in wire & cable

- Isolated loadcell measurement for wire tension and load monitoring
- Length and speed monitoring with an encoder, product and pulse counting
- PULSE/DIRECTION command to an external step drive
- Collecting machine data with digital and analog signals in one unit

Connecting to a PLC

Mirroring
Inputs are passed to the outputs of the paired ION8 and its inputs to the outputs of this unit; 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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