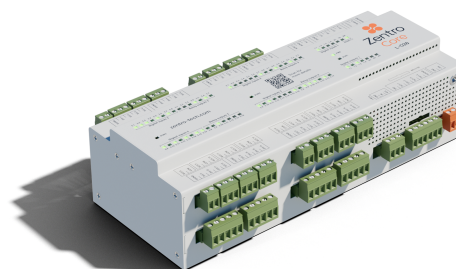


Zentro Core L-028

Programmable controller with 70 I/O points

Zentro Core L-028 is a Linux-based programmable logic controller for control, regulation and monitoring in building, HVAC and automation systems. It provides 70 I/O points: 36 digital inputs with pulse counters, 28 relay outputs, 4 transistor outputs with PWM, one analogue input and one analogue output. It includes an RS-485 serial interface and a 1-Wire bus, mounts on a 35 mm DIN rail and is powered from 24 V DC.



Part number ZN-COREL-001

HIGHLIGHTS

Total I/O points	70
RS-485 channels	1
Ethernet	1 × 1 Gbit
Wireless	Wi-Fi IEEE 802.11 b/g/n · Bluetooth 5.0 BLE · internal antenna
Protocols	Modbus TCP · Modbus RTU · open programming interface · SysFS
Supply voltage	24 V DC (SELV)
Dimensions (W × H × D)	209 × 90 × 55.5 mm
Mounting	35 mm DIN rail (EN 50022) inside a closed distribution enclosure, holder included

TYPICAL APPLICATIONS

1. How many I/O points does the controller have?

70 physical I/O points: 36 digital inputs, 28 relay outputs, 4 transistor outputs, one analogue input and one analogue output — the highest point count in the range.

2. How does it differ from Core M-014?

In point count and dimensions only. All electrical parameters, communication interfaces, environmental conditions and approvals are identical. Core L-028 has three sections instead of two and draws 8 W typical.

3. Are the relay outputs protected?

No. The relays have no short-circuit protection. An inductive load requires external protection — an RC circuit, a varistor or a diode.

PRODUCT FAMILY

Zentro Core M-014	ZN-COREM-001
Zentro Core L-028 ←	ZN-COREL-001
Zentro Link	ZN-LINK-001
Zentro Sense	ZN-SENSE-001
Zentro Expand	ZN-EXPAND-001



Full detail and documents on the website — zentro-tech.com · Document number ZT-DS-CORE-L028-001-EN