



## E3 I/O Module with 32 24V Digital Outputs

Item number: E3-32DO24-1

The E3 I/O module streamlines networks with high-performing and flexible Ethernet connectivity. 32 discrete outputs for double density. Fast redundancy, password security, diagnostics and rugged design ensure reliable performance and reduced downtime in remote and extreme settings.



*Powerful networking with reliable remote monitoring and control capabilities*

### Features and benefits

#### ✓ Ethernet connectivity that's reliable, simple and secure

A robust and rugged Ethernet solution for collecting and communicating local sensor or field data. Built-in dual 10/100BaseT(X) RJ-45 Ethernet ports for daisy chaining, redundancy or pass-through.

#### ✓ Isolated discrete output relays

Individually isolated outputs rated for 0.5 Amp per channel. High output performance with minimum off-state leakage (under 10 uA). Short circuit protection and self-reset fuse capability. Channel scan rate of 1ms.

#### ✓ Engineered to last in industrial settings

Hardened metal enclosure is designed to withstand extreme industrial conditions. Snaps into standard DIN-rail and includes panel mount option for easy installation locally and in the field.

#### ✓ Powerful networking capability

Modbus protocol support for industrial monitoring and communications. Also supports TCP/IP, ARP, UDP, ICMP, DHCP, HTTP, Sixnet TCP and UDP.

#### ✓ Leading compliance certifications

Suitable for hazardous environments with UL Class I, Division 2 listing and CE and CSA certifications. ATEX/IECEX certified.

#### ✓ Flexible connectivity

Connect serial devices to Ethernet network with an RS-485 serial port. Connect the module to your PC using the USB port.

#### ✓ Simplicity with built-in Crimson® configuration software

Program with drag-and-drop ease and efficiency through a web browser and Crimson's user-friendly graphical user interface.

#### ✓ Real-time Ring option for fast redundancy

The Ring option allows the dual Ethernet ports to act as Real-Time Ring switch ports. Real-Time Ring operates at 30 ms + 5ms per hop.

#### ✓ Engineered for harsh environments

All-metal housing delivers uncompromising performance in demanding environments. Operating temperature of -40 °C to 75 °C. MTBF >1 million hours.

#### ✓ Output voltage range

10-30 VDC

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## General

Net Weight (g)	906
Packed Weight (g)	906
Relative Humidity	10% to 95% (Non Condensing)
Power Consumption (W)	0
Input Voltage (V)	10-30 VDC (12-24 Nominal)
Mounting	DIN rail mount (bracket included)
Panel Cut-Out Dimensions	71.4 mm x 53.1 mm
Housing Materials	Metal Housing
Packaging Material	Cardboard
Warranty (years)	2

## Identification and Status

Product ID	E3-32DO24-1
Country of Origin	United States of America (the)
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

## Physical Features

Top Wiring Clearance (mm)	25.4
Front Wiring Clearance (mm)	50.8
SD Card Slot	No
Flash Drive	No

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## Physical Features

Contains Battery	No
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## Certifications and Standards

RoHS Compliant	No
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	Yes
DNV	Yes
KC	No
Mean Time Before Failure (MTBF)	1,515,163 Hours GB @ 40°C
Vibration and Shock	Shock: IEC60068-2-6; Vibration: IEC60068-2-27