



## EC2-P32

EtherCAT Slave I/O Module with Isolated  
32-channel Digital Inputs

### Features

- On the fly processing: EtherCAT
- 2 x RJ-45 bus interface
- Distance between stations up to 100 m (100 BASE-TX)
- Support daisy chain connection
- Removable terminal block connector
- LED indicators for the I/O status
- Built-In isolated 32-channel digital inputs
- Low Pass Filter



### Introduction

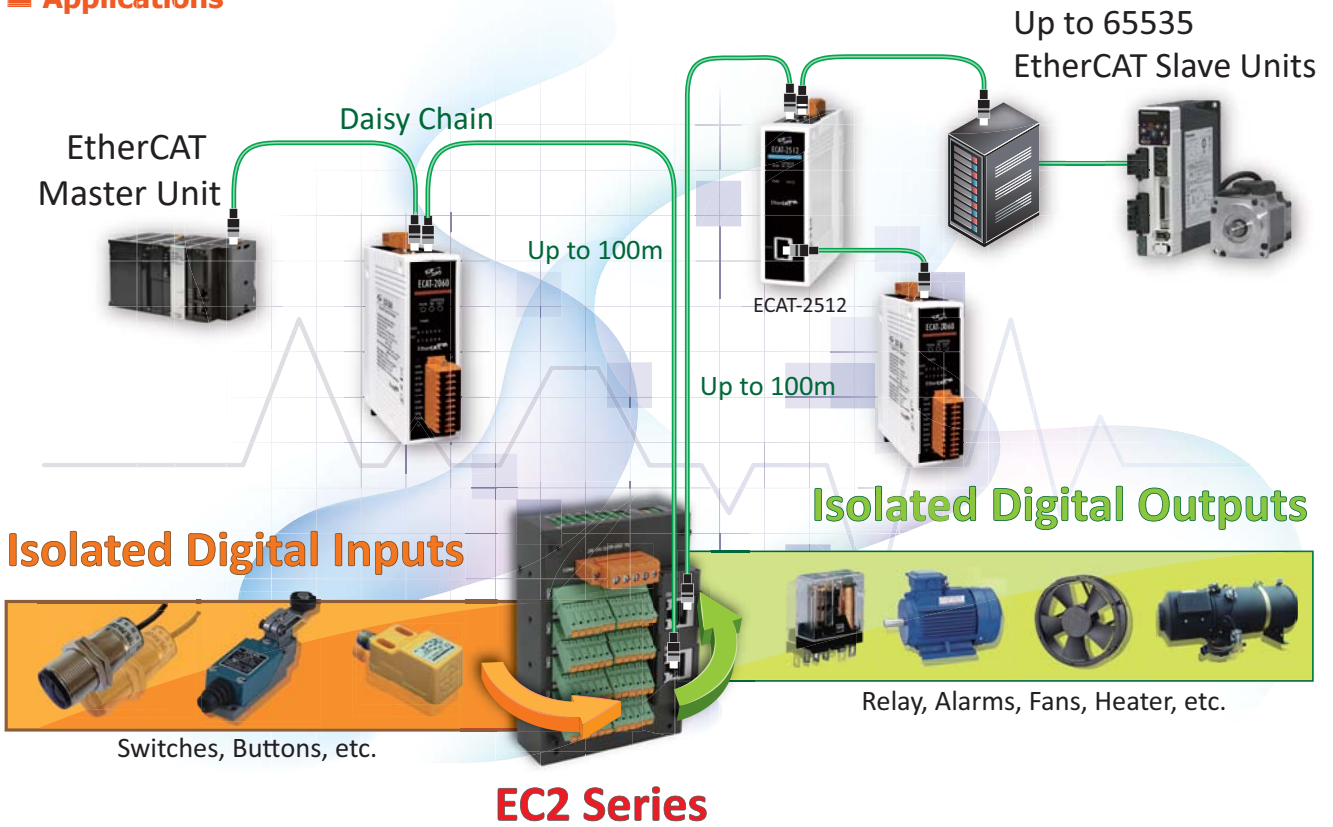
The EC2-P32 is an industrial slave I/O module built in 32 digital inputs. It is equipped with the EtherCAT protocol and installed by daisy chain connection that provides a more scalable system with fewer wires. Users can obtain the input status not only via the process data but also from its LED indicators. The EC2-P32 has passed and verified by the conformance test tool, therefore eligible EtherCAT Master or configurator can manipulate it simply and implement your various applications easily.

\* EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

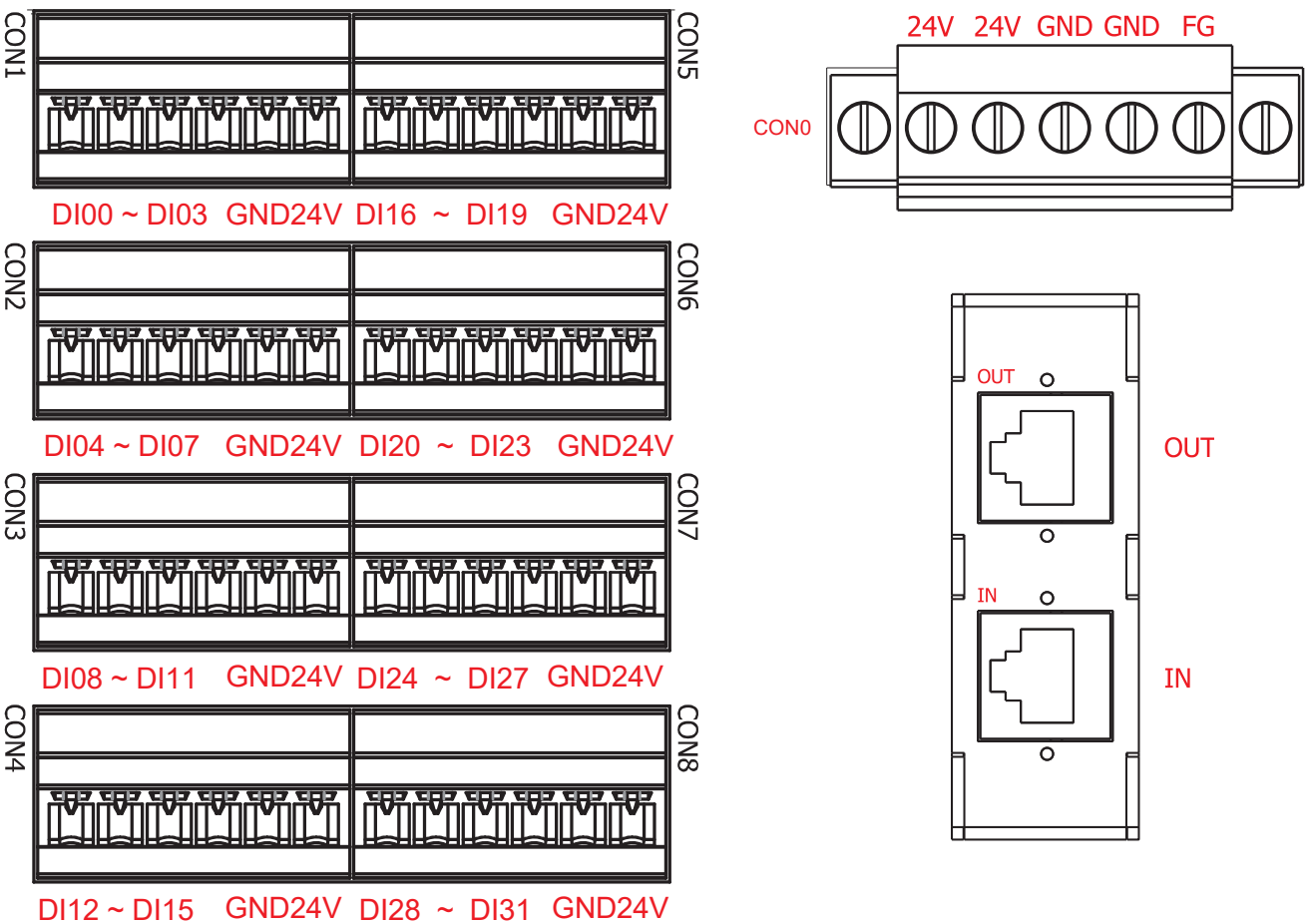
### Specifications

EMS Protection	
EFT (IEC 61000-4-4)	Signal: 1 kV Class B; Power: 1 kV Class B
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal
Surge (IEC 61000-4-5)	± 1 kV Class A
Digital Input	
Channels	32
Type	Wet (Sink & Source) / Dry (Source)
ON Voltage Level	Wet Contact: +10 V ~ +24 V Dry Contact: Close to GND
OFF Voltage Level	Wet Contact :+4 V Max. Dry Contact: Open
Isolation	3750 VDC
EtherCAT	
Ports	EtherCAT, 2 X RJ45
Distance Between Stations	Max. 100 m (100 Base-Tx)
Data Transfer Medium	Ethernet/EtherCAT cable (min. CAT5), shielded
Cycle Time	100 us
Distributed Clocks	Yes
Node ID	Up to 256
Power	
Input Range	+24 VDC
Consumption	3 W
Mechanical	
Casing	Metal with IP40
Dimensions (mm)	83 x 122 x 65 (W x L x D)
Installation	DIN-Rail or Wall Mounting
Environment	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

## Applications



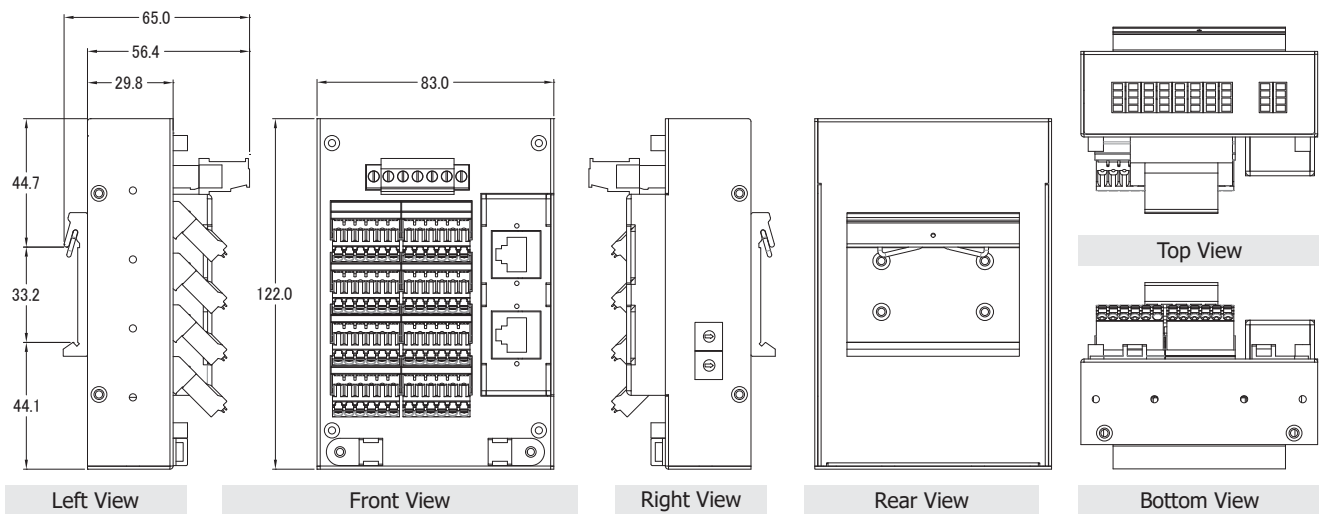
## Pin Assignments



## Wire Connections

Digital Input/Counter	Readback as 1	Readback as 0
Sink	+10 ~ +24V 	OPEN or <4 V <sub>DC</sub> 
	Source	+10 ~ +24V 
Dry Contact		Close to GND 

## Dimensions (Units: mm)



## Ordering Information

<b>EC2-P32 CR</b>	EtherCAT Slave I/O Module with Isolated 32-channel Digital Inputs (RoHS)
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