



EC1-C32

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

Features

- On the fly processing: EtherCAT
- Powerful MCU handles efficient network traffic
- Maximum distance between Stations can be up to 100 m (100BASE-TX)
- Support daisy chain and star connection
- EtherCAT conformance test tool verified
- LED indicators for the I/O status
- Built-In isolated 32-channel digital outputs
- Configurable Power-on Value Settings
- Keep output values after state machine change
- ESD Protection 4 kV Contact for each channel



Introduction

The EC1-C32 is an industrial slave I/O module built in 32 digital outputs. 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 and output status not only via the process data but also from its LED indicators. The EC1-C32 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.

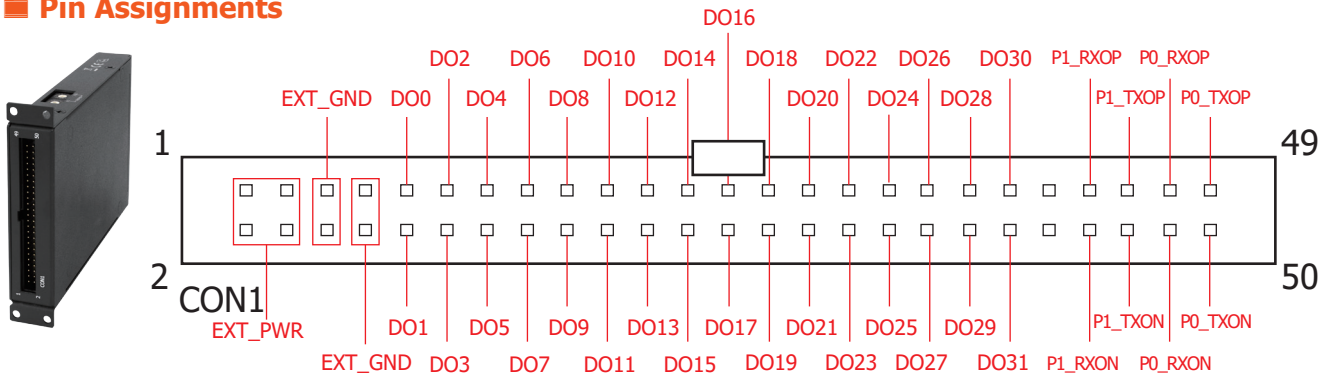
Specifications

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 Output	
Channels	32
Type	Open Collector (Sink), with internal flywheel diode
Load Voltage	40 VDC Max.
Load Current	150 mA/ch (Sink) @25°C 100 mA/ch (Sink) @60°C
Isolation	3750 VDC
EtherCAT	
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 25
Power	
Input Range	+24 VDC
Consumption	3 W
Mechanical	
Casing	Metal with IP40
Dimensions (mm)	20 x 98 x 120 (W x L x D)
Environment	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

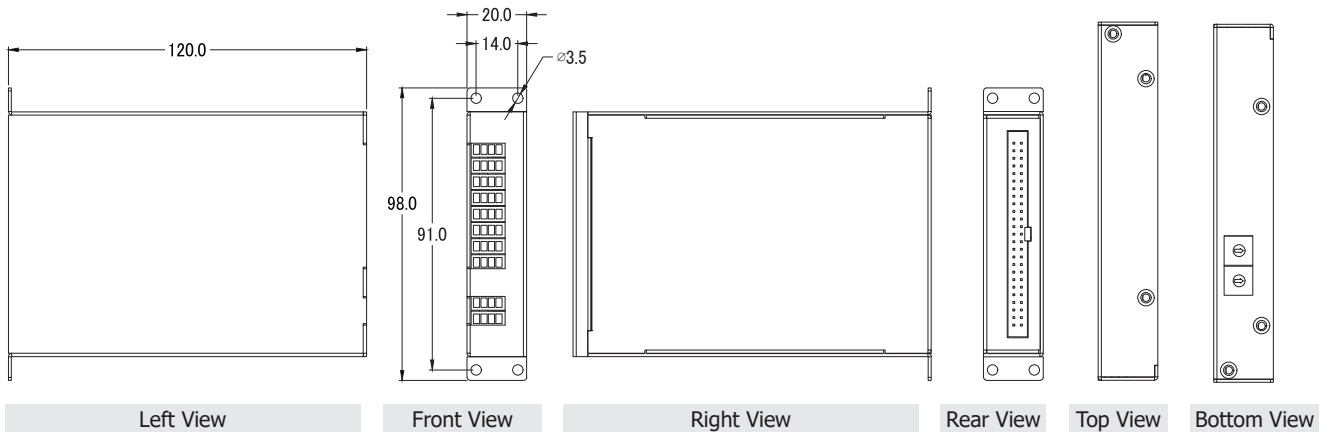
Wire Connections

Output Type	ON State Readback as 1	OFF State Readback as 0
Drive Relay		
Resistance Load		

Pin Assignments



Dimensions (Units: mm)



Ordering Information

EC1-C32 CR	EtherCAT Slave I/O Module with Isolated 32-channel Digital Outputs (RoHS)
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