

EtherCAT Series Products

Isolated 16-ch DO EtherCAT Slave I/O Module

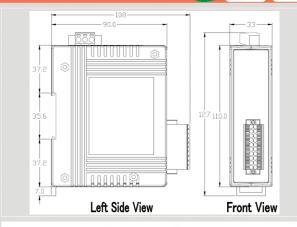








ECAT-2045



Dimensions

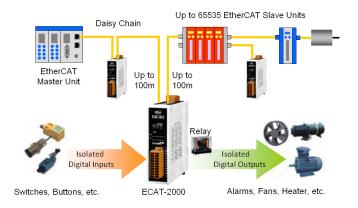
The ECAT-2045 is an industrial slave I/O module built in 16 digital outputs. It is equipped with the EtherCAT* protocol and installed by daisy chain connection that provides a more scalable system with fewer wires. Users can obtain the input and output status not only via the process data but also from its LED indicators. The ECAT-2045 has passed and verified by the conformance test tool, therefore eligible EtherCAT Master or configurator can manipulate it simply and implement your various applications

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

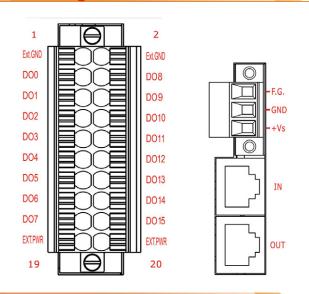
Features

- On the fly processing: EtherCAT
- Powerful MCU handles efficient network traffic
- 2 x RJ-45 bus interface
- Distance between stations up to 100 m (100BASE-TX)
- Support daisy chain connection
- EtherCAT conformance test tool verified
- Removable terminal block connector
- LED indicators for the output status
- Built-In isolated 16-ch digital outputs
- RoHS compliant
- ESD Protection 4 KV Contact for each channel

Application



Pin Assignment



Wire connection

Output	ON	OFF
Drive Relay	Ext.PWR DOX Ext.GND	Ext.PWR DOX Ext.GND
Resistance Load	生国社 生事 中 Ext.PWR DOX Ext.GND	±□×±= □ Ext.PWR DOx Ext.GND





Hardware Specifications

Digital Output			
Channels	16		
Output Type	Open Collector (Sink)		
Load Voltage	3.5 ~ 50 V		
Max. Load Current	700mA per channel		
Isolation Voltage	3750 Vrms		
Communication Interface			
Connector	2 x RJ-45		
Protocol	EtherCAT		
Distance between Stations	Max. 100 m (100BASE-TX)		
Data Transfer Medium	Ethernet/EtherCAT Cable (Min. CAT 5), Shielded		
Power			
Input Voltage Range	10V ~ 30VDC		
Power Consumption	Max. 4W		
Mechanism			
Installation	DIN-Rail		
Dimensions	110mm x 90mm x 33mm (H x W x D, without connectors)		
Case Material	UL 94V-0 Housing		
Environment			
Operating Temperature	-25°C ~ 75°C		
Storage Temperature	-30°C ~ 80°C		
Relative Humidity	10 ~ 90%, No Condensation		
ESD (IEC 61000-4-2)	4 KV Contact for Each Channel		
EFT (IEC 61000-4-4)	Signal: 1 KV Class A; Power: 1 KV Class A		
Surge (IEC 61000-4-5)	1 KV Class A		

Ordering Information

ECAT-2045 CR

EtherCAT Slave I/O Module with Isolated 16-ch Digital Outputs (RoHS)