



ECAT-2060

EtherCAT Slave I/O Module with Isolated 6-channel DI and 6-channel Relay DO

□ 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 (100 BASE-TX)
Support daisy chain connection
■ EtherCAT conformance test tool verified
Removable terminal block connector
■ LED indicators for the I/O status
■ Built-In Inputs and Outputs: 6 DI and 6 Relay DO
■ RoHS compliant
■ ESD Protection 4 KV Contact for each channel
CE FC KOHS Z

■ Introduction

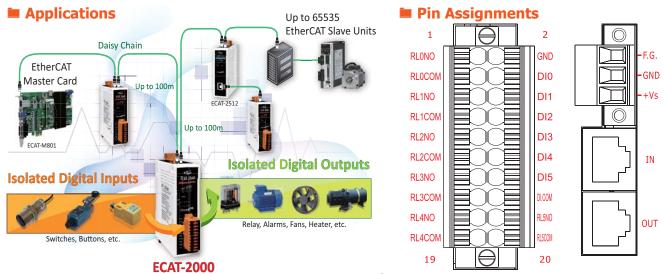
The ECAT-2060 is an industrial slave I/O module built in 6 digital inputs and 6 relay digital outputs. It is equipped with the EtherCAT* protocol and installed by daisy chain connection that provides a more scalable system with fewer wires. Users can obtain the input and output status not only via the process data but also from its LED indicators. The ECAT-2060 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.

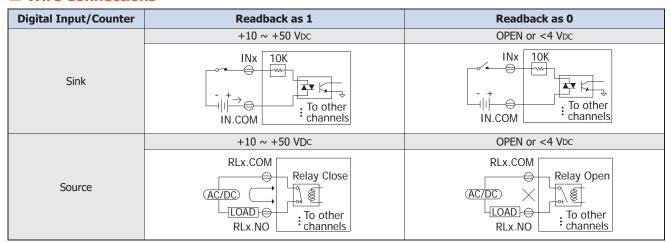
■ Hardware Specifications

Digital Input			
Channels	6	5	
Input Type	Dry (Source)	Wet (Sink/Source)	
OFF Voltage Level	Open	+4 V Max.	
ON Voltage Level	Close to GND	+10 V ~ +50 V	
Photo-Isolation	3750) VDC	
Digital Output			
Channels	6		
Output Type	Form A (SPST-NO)		
Contact Rating (Resistive Load)	5 A @ 30 VDC; 5 A @125 / 250 VAC (47 ~ 63 Hz)		
Operate Time	10 ms Max.		
Release Time	5 ms Max.		
Mechanical Endurance	2 x 10 ⁷ Operations		
Electrical Endurance	10 ⁵ Operations		
Communication Interface			
Connector	2 x RJ-45		
Protocol	EtherCAT		
Distance between Stations	Max. 100 m (100 BASE-TX)		
Data Transfer Medium	Ethernet/EtherCAT Cable (Min. CAT 5), Shielded		
EMS Protection			
ESD (IEC 61000-4-2)	±4 kV Contact for Each Terminal		
EFT (IEC 61000-4-4)	Signal: 1 KV Class A; Power: 1 KV Class A		
Surge (IEC 61000-4-5)	1 KV Class A		
Power			
Input Voltage Range	+10 V ~ +30 VDC		
Power Consumption	4 W Max.		
Mechanical			
Dimensions (W x L x H)	33 mm x 127 mm x 108 mm		
Installation	DIN-Rail Mounting		
Casing	Plastic		
Environment			
Operating Temperature	-25 ~ +75°C		
Storage Temperature	-30 ~ +80°C		
Relative Humidity	10 ~ 90% RH, ľ	Non-condensing	

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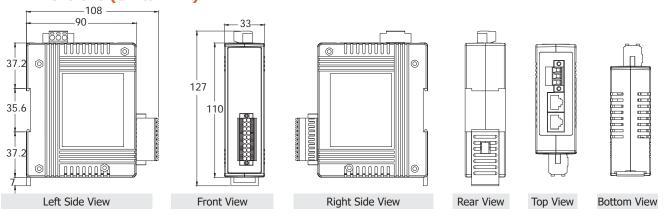


■ Wire Connections



Output Type	ON State Readback as 1	OFF State Readback as 0
Relay Output	RLx.COM Relay Close AC/DC LOAD To other channels	RLx.COM Relay Open AC/DC LOAD To other channels

Dimensions (Units: mm)



Ordering Information

ECAT-2060 CR EtherCAT Slave I/O Module with Isolated 6-channel DI and 6-channel Relay DO (RoHS)	
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