



ECAT-2061

EtherCAT Slave I/O Module with Isolated 16-ch 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 input status
- Built-In Outputs: 16 Relay DO
- RoHS compliant
- ESD Protection 4 KV Contact for each channel



Introduction

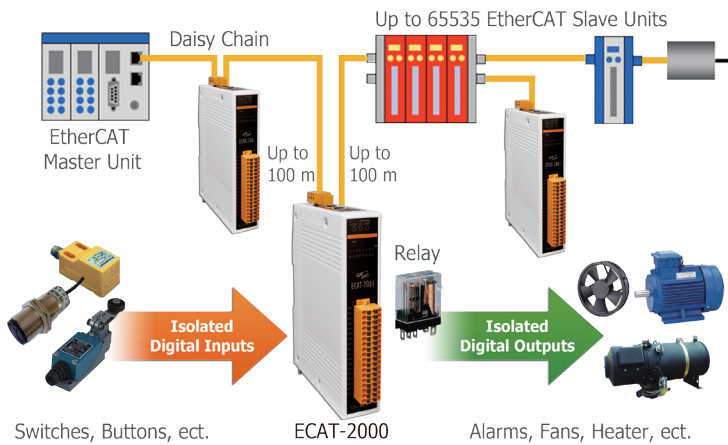
The ECAT-2061 is an industrial slave I/O module built in 16 relay outputs. It is equipped with the EtherCAT* protocol and installed by daisy chain connection that provides a more scalable system with fewer wires. Users can obtain the input and output status not only via the process data but also from its LED indicators. The ECAT-2061 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.

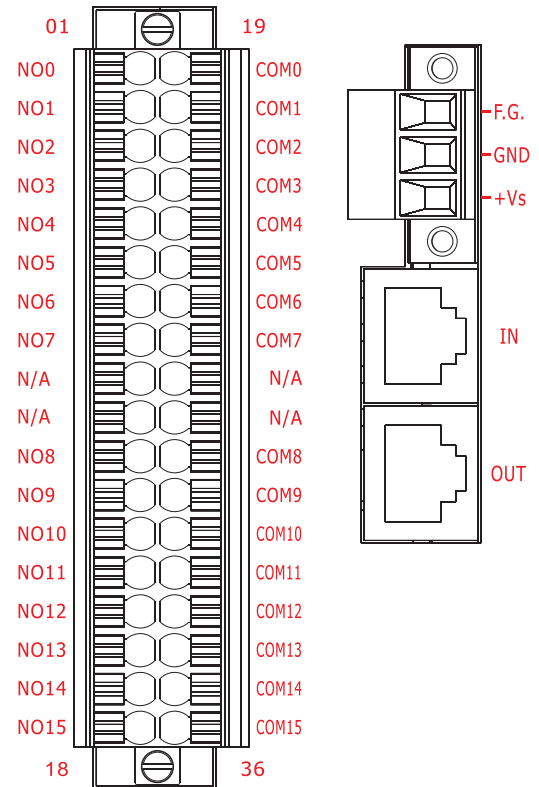
Hardware Specifications

Model	ECAT-2061	
Digital Input		
Channels	16	
Type	Form A (SPST-NO)	
Contact Rating (Resistive Load)	3 A @ 250 VAC (47 ~ 63 Hz) 3 A @ 30 VDC	
Operate Time	10 ms (Max.)	
Release Time	5 ms (Max.)	
Insulation Resistance	1,000 MΩs at 500 VDC	
Dielectric Strength	Between Open Contact	1000 VAC (1 min.)
	Between Coil and Contacts	3000 VAC (1 min.)
Endurance	Mechanical	2 x 10 ⁷ ops
	Electrical	1 x 10 ⁵ ops
Power On Value	Yes	
Safe Value	Yes	
Photo-Isolation	3000 VDC	
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 ~ 30 VDC	
Power Consumption	4 W Max.	
Mechanical		
Dimensions (H x W x D)	140 mm x 112.2 mm x 31 mm	
Installation	DIN-Rail Mounting	
Case Material	UL 94V-0 Housing	
Environment		
Operating Temperature	-25 ~ +75°C	
Storage Temperature	-30 ~ +80°C	
Relative Humidity	10 ~ 90% RH, Non-condensing	

Applications



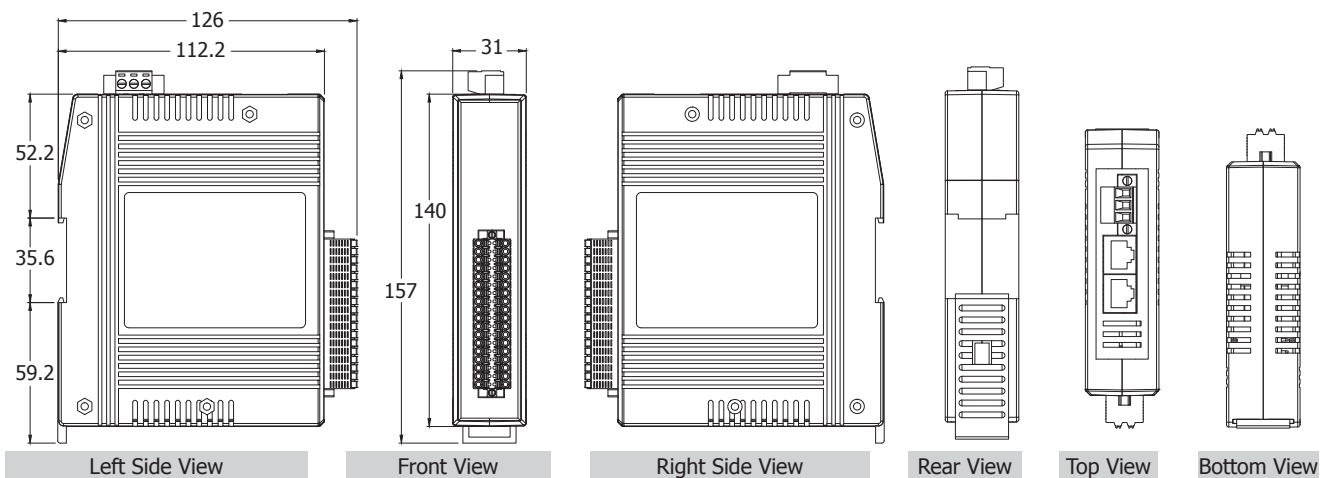
Pin Assignments



Wire Connections

Output Type	ON State Readback as 1	OFF State Readback as 0
Relay Output	<p>RLx.COM</p> <p>AC/DC</p> <p>LOAD</p> <p>RLx.NO</p> <p>Relay Close</p> <p>To other channels</p>	<p>RLx.COM</p> <p>AC/DC</p> <p>LOAD</p> <p>RLx.NO</p> <p>Relay Open</p> <p>To other channels</p>

Dimensions (Units: mm)



Ordering Information

ECAT-2061 CR	EtherCAT Slave I/O Module with Isolated 16-ch Relay DO (RoHS)
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