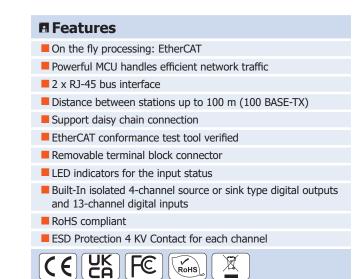




ECAT-2050

EtherCAT Slave I/O Module with Isolated 4-channel Source or Sink type Digital Outputs and 13-channel Digital Inputs



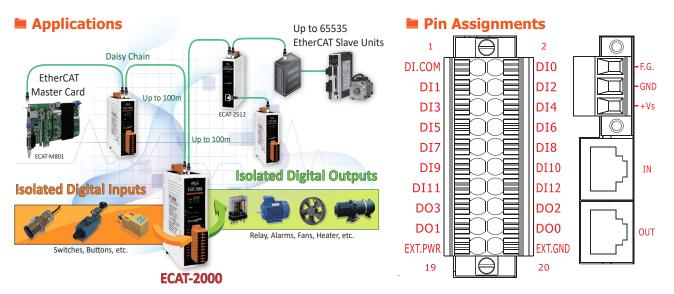
## Introduction

The ECAT-2050 is an industrial slave I/O module built in 4 source or sink type digital outputs and 13 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 and output status not only via the process data but also from its LED indicators. The ECAT-2050 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.

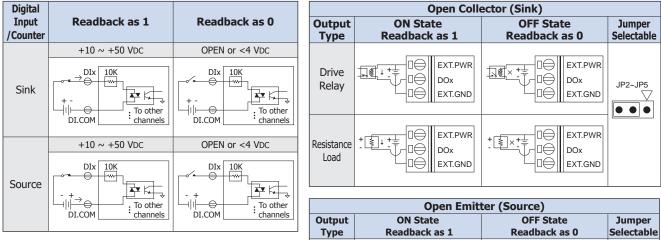
\* EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

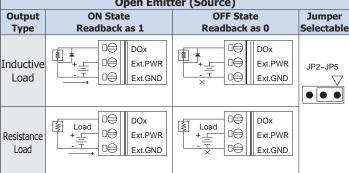
#### Hardware Specifications

Digital In	put	
Channels		13
Input Type		Wet (Sink/Source)
Wet	ON Voltage Level	+5 V ~ +50 V
Contact	OFF Voltage Level	+2 V Max.
Photo-Isolation		3750 Vdc
Digital Ou	ıtput	
Channels		4
Output Type		Open Collector (Sink ,NPN/Source ,PNP) (Jumper Selectable)
Load Voltage		+5 ~ +30 V
Max. Load Current		100 mA per channel
Isolation Voltage		3750 VDC
Communi	cation 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 Prot	ection	
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		4.5 W Max.
Mechanic	al	
Dimensions (W x L x H)		33mm x 127 mm x 108 mm
Installation		DIN-Rail Mounting
Case Material		UL 94V-0 Housing
Environm	ent	
Operating Temperature		-25 ~ +75°C
Storage Temperature		-30 ~ +80°C
Relative Humidity		$10 \sim 90\%$ RH, Non-condensing

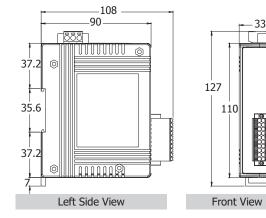


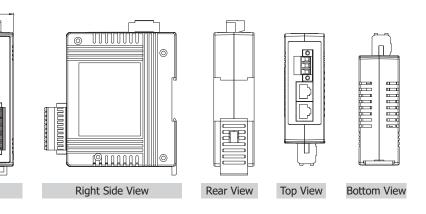
## Wire Connections





## Dimensions (Units: mm)





# Ordering Information

ECAT-2050 CR EtherCAT Slave I/O Module with Isolated 4-channel Source or Sink type Digital Outputs and 13-channel Digital Inputs (RoHS)