



Features

- Powerful MCU handles efficient network traffic
- Distance between Stations up to 100 m (100BASE-TX)
- Support daisy chain and star connection
- EtherCAT conformance test tool verified
- ESD Protection 4 KV Contact for each port

ECAT-2512/ECAT-2513/ECAT-2515

EtherCAT Junction Slave Module

CE	FC	RoHS	X
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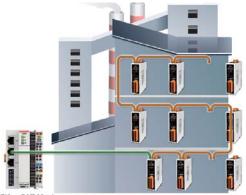
Introduction

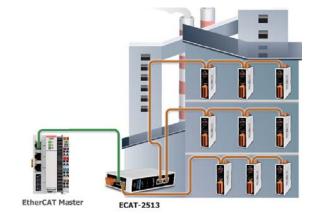
ECAT-2512/ECAT-2513/ECAT-2515 are 1-to-2 port/1-to-3 port and 1-to-5 port EtherCAT junction slaves. They are designed for realizing flexible wiring by daisy chain and branch. The ECAT-2512/ECAT-2513/ECAT-2515 cannot be used as a standard Ethernet switch.

Applications

Benefit 1: Translate Daisy-chain to Branch Topology

EtherCAT junction slaves can realize branch topology. This makes the cabling easier than daisy-chain topology.

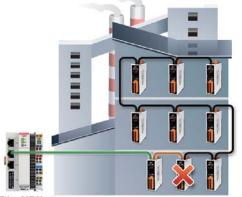




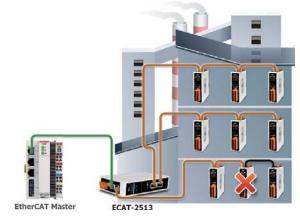
EtherCAT Master

Benefit 2: Improving the Debugging Effi ciency

If a slave device is not working or the cable is disconnected, the following slave devices on the same network all not communicate with the master controller. With EtherCAT junction slaves, all slave devices can be wired as separated sections. If one slave device failed, only the slave devices on the same section will be infl uenced. The EtherCAT junction slave keeps the slave devices on another section communicate with the master controller. Debugging can be made separately, thus improving the debugging efficiency



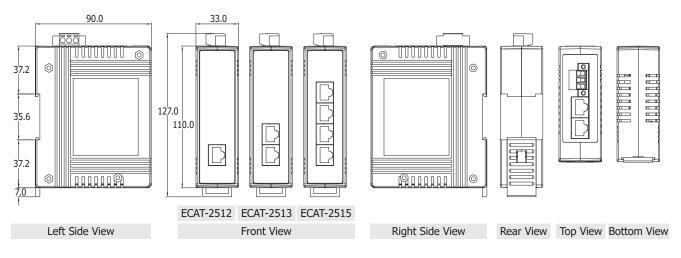




Hardware Specifications

Model	ECAT-2512	ECAT-2513	ECAT-2515	
Network Interface	1		1	
Protocol	EtherCAT			
RJ-45 Port	3 x RJ-45 (1 IN; 2-OUT)	4 x RJ-45 (1 IN; 3-OUT)	6 x RJ-45 (1 IN; 5-OUT)	
No. of Nodes	1	2	4	
Distance Between Stations	Max. 100 m (100BASE-TX)			
Power				
Input Voltage Range	+10 ~ +30 VDC			
Power Consumption	0.06 A @ 24 Vbc			
Mechanical				
Dimensions (W x L x H)	33 mm x 127 mm x 90 mm			
Installation	DIN-Rail Mounting			
Casing	Plastic			
Environment				
Operating Temperature	-25 ~ +75°C			
Storage Temperature	-30 ~ +80°C			
Relative Humidity	10 ~ 90% RH, Non-condensing			

Dimensions (Units: mm)



Ordering Information

ECAT-2512 CR	1-to-2 Port EtherCAT Junction Slave Module (RoHS)
ECAT-2513 CR	1-to-3 Port EtherCAT Junction Slave Module (RoHS)
ECAT-2515 CR	1-to-5 Port EtherCAT Junction Slave Module (RoHS)