



EC4-A16

EtherCAT SubDevice Slim Module with Isolated 16-ch Digital Output (Source)

Introduction

The EC4-A16 is an industrial I/O module designed with a slim-type form factor, featuring 16 isolated digital output channels. It features the EtherCAT protocol, providing a system with higher scalability and fewer cables. Users can check the current output status through LED indicators on the enclosure. In addition, the module has passed the test and verification of the conformance testing tool. It is also compatible with various standard EtherCAT MainDevices to enable diversified applications.

Specifications

EMS Protection	
ESD (IEC 61000-4-2)	±8KV(Air for Random Point)
Digital Output	
Channels	16
Type	N-MOS (Source), with internal flywheel diode
Load Voltage	+10V _{DC} ~ +40V _{DC}
Load Current	500 mA/Channel (Source)
Isolation	3000V _{DC}
EtherCAT	
Cycle Time	100 μs
Distributed Clocks	Yes
Power	
Input Range	+24 V _{DC}
Consumption	1.5 W
Mechanical	
Casing	Plastic
Dimensions (mm)	17.5 x 108 x 73 (W x L x D) excluding terminals
Installation	DIN-Rail or Wall Mounting
Environment	
Operating Temperature	-25 ~ +70°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

Ordering Information

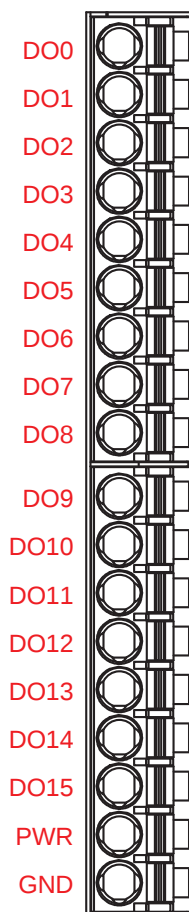
EC4-A16 CR	EtherCAT SubDevice Slim Module with Isolated 16-ch Source-type DO (RoHS)
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Features

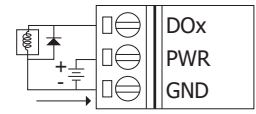
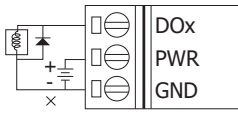
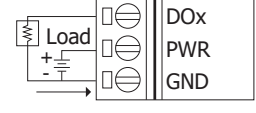
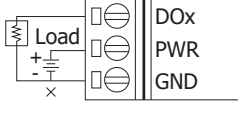
- Interface: EtherCAT
- Removable terminal block connector
- LED indicators for the I/O status
- Built-In isolated 16-channel digital outputs
- Configurable Power-on Value Settings
- Keep output values after state machine change (selectable)



Pin Assignments



Wire Connections

Output Type	ON State Readback as 1	OFF State Readback as 0
Drive Relay		
Resistance Load		

Applications

Create your own I/O module

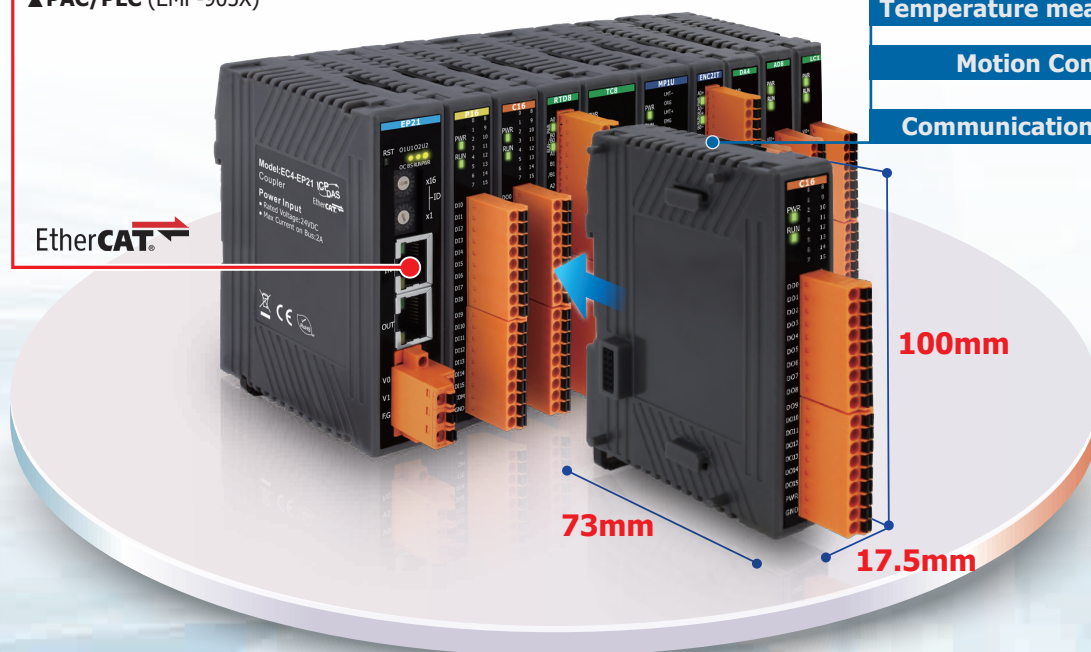
Maximize your I/O system and applications in limited space



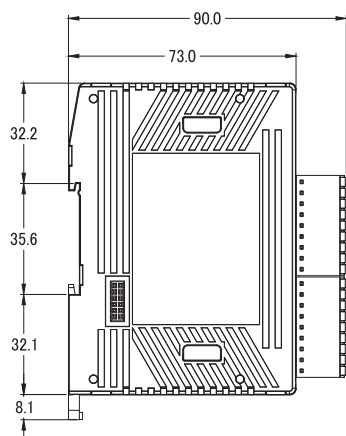
▲ PAC/PLC (EMP-905X)

EtherCAT®

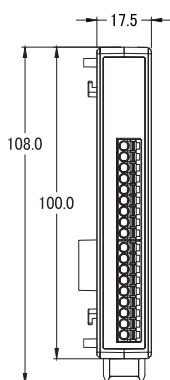
Digital I/O
Analog I/O
Strain measurement
Temperature measurement
Motion Control
Communication coupler



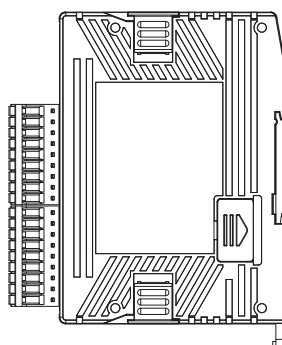
Dimensions (Units: mm)



Left Side View



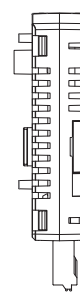
Front View



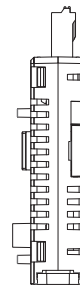
Right Side View



Rear View



Top View



Bottom View