

DN-EC01

The development board of EC1 Series

Features

- On the fly processing : EtherCAT
- 2 x RJ-45 bus interface
- Maximum distance between stations can be up to 100m (100BASE-TX)
- Support daisy chain connectio
- Removable terminal block connector



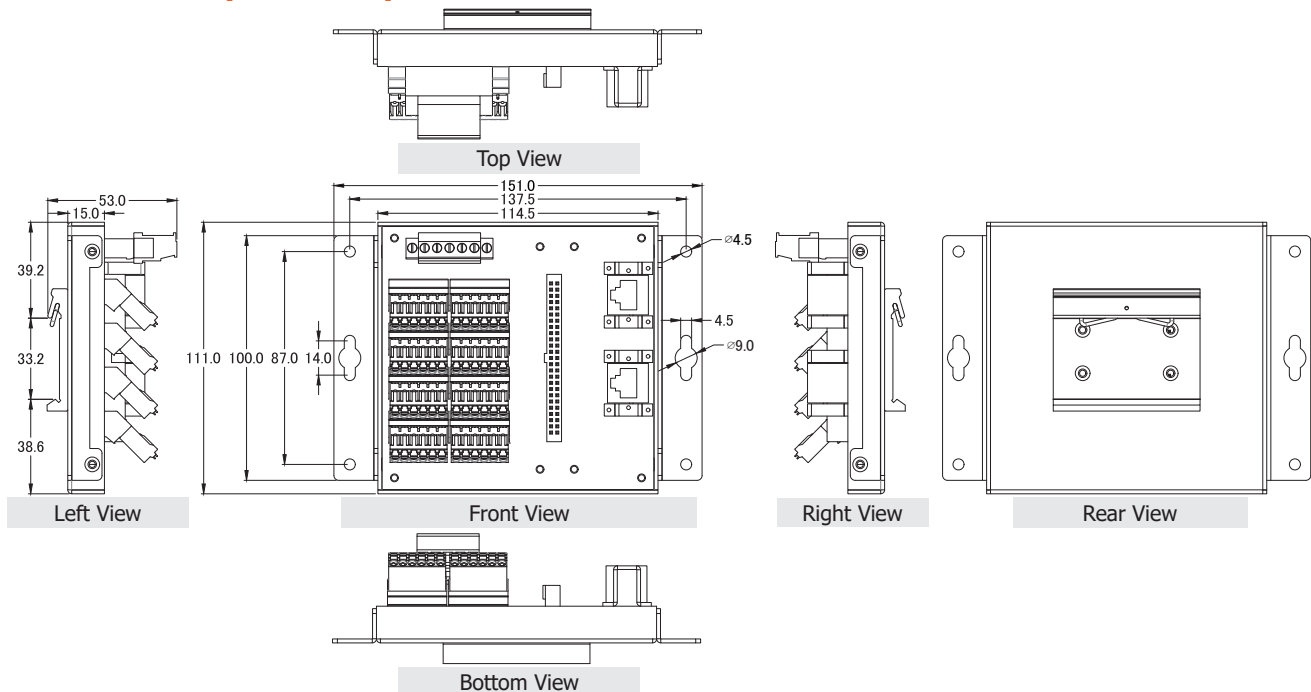
Introduction

DN-EC01 is the development board for EC1 Series. The development board introduces the use of EC1 series modules. No need to develop a separate signal distribution board first. The development board can be used for verification and direct testing of EC1 series modules. This development board distributes signals and power to each corresponding connector, let EC1 series I/O modules and qualified EtherCAT Master make operation simple and easily implement your various applications.

Specifications

Models	DN-EC01
Ports	EtherCAT, 2 X RJ45
Dimensions (mm)	111 x 115 x 15 (W x L x D)
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 90% RH, Non-condensing

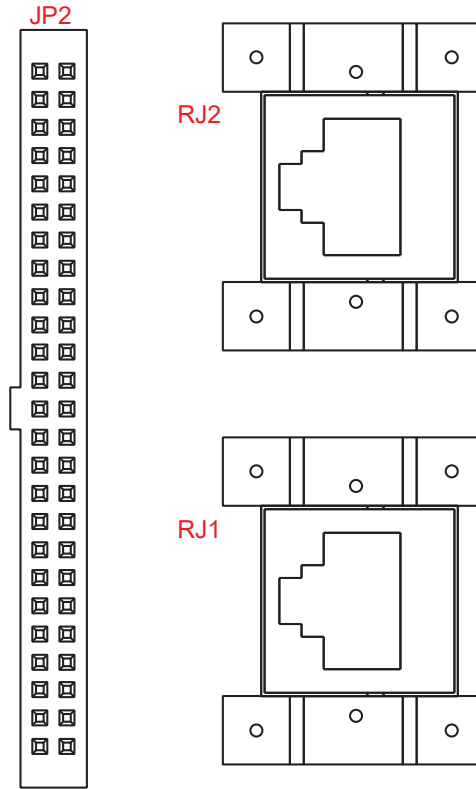
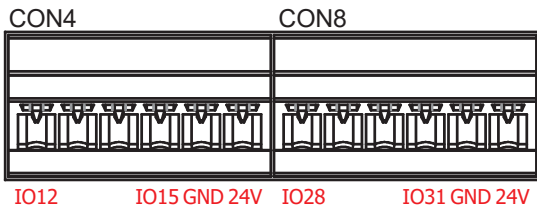
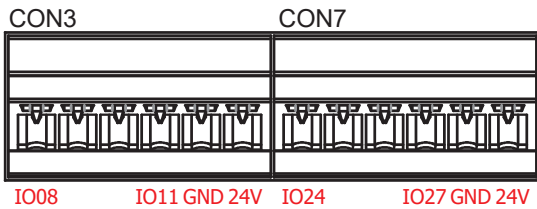
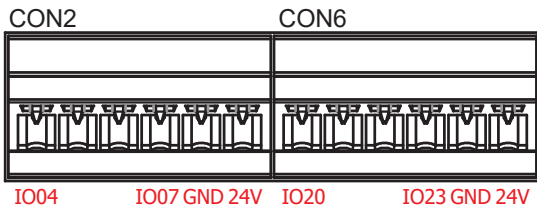
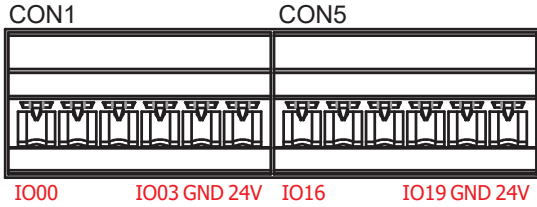
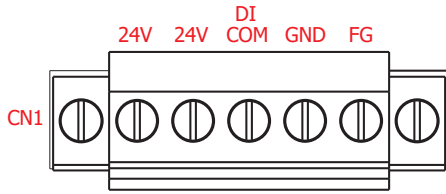
Dimensions (Units: mm)



Ordering Information

DN-EC01 CR	The development board of EC1 Series
EC1-C32 CR	EtherCAT Slave I/O Module with Isolated 32-channel Digital Outputs (RoHS)
EC1-P32 CR	EtherCAT Slave I/O Module with Isolated 32-channel Digital Inputs (RoHS)
EC1-P16C16 CR	EtherCAT Slave I/O Module with Isolated 16-channel Digital Inputs and 16-channel Digital Outputs (RoHS)

Pin Assignments



Pin Assignment	Terminal No.	Pin Assignment
24V	01	02 24V
24V	03	04 24V
DI.COM	05	06 DI.COM
GND	07	08 GND
IO00	09	10 IO01
IO02	11	12 IO03
IO04	13	14 IO05
IO06	15	16 IO07
IO08	17	18 IO09
IO10	19	20 IO11
IO12	21	22 IO13
IO14	23	24 IO15
IO16	25	26 IO17
IO18	27	28 IO19
IO20	29	30 IO21
IO22	31	32 IO23
IO24	33	34 IO25
IO26	35	36 IO27
IO28	37	38 IO29
IO30	39	40 IO31
N/A	41	42 N/A
P1_RXOP	43	44 P1_RXON
P1_TXOP	45	46 P1_TXON
P0_RXOP	47	48 P0_RXON
P0_TXOP	49	50 P0_TXON

JP2

