CNET Hardware Reference Manual



16CHANNEL DIGITAL INPUT/OUTPUT MODULE

cnD16-16

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D16-16

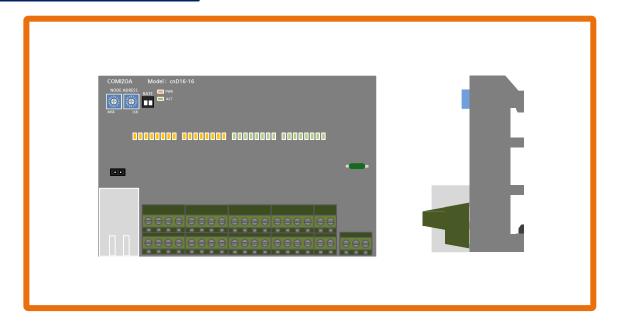


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개요



CNET Series - cnD16-16 (Digital NPN Input 16ch / Output 16ch)

cnD16-16은 커미조아의 CNET 기반 제어기의 32채널 Digital 입출력 모듈입니다.
각 채널의 내부 제어신호와 외부 입출력 신호는 포토커플러를 사용하여 절연됩니다.
본 매뉴얼은 cnD16-16의 하드웨어 구성과 기능에 대해 설명하는 하드웨어 매뉴얼 입니다.
CNET 시스템의 전반적인 내용은 CNET product System reference 매뉴얼을 참조 바랍니다.



제품사양

■ Digital Input Specification

ITEM	Details
Number of Inputs	Isolated 16 Input
Input type	Current sinking type (NPN)
Input Level Tolerant	Low (Min. 0V ~ Max 1.5V)
input Level Tolerant	High (Min. 5V ~ Max 24V)
Isolation	1000V Channel to Channel
Input Impedance	3.6 KOhm

Digital Output Specification

ITEM	Details
Number of Outputs	16 output
Output Type (Module)	MOSFET with common ground(NPN)
Isolation	Photo-coupler(Viso=3,000Vrms)
OFF State Current	Max. 100uA / Point
On State Max Sink Current	Max. 500mA / Point
Rds(On state resistance)	Max. 0.5Ω (±5%)
Over-Temperature Shutdown	160°C
Over-Current Shutdown	0.7A (Min.) ~ 2A (Max.)

■ Power Specification

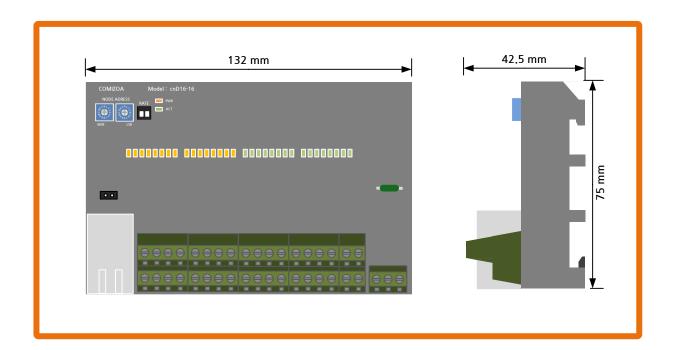
ITEM	Details
Power Dissipation	120mA @ 24V DC
Rated Input Voltage	24 V DC (-15%/+20%, ripple ratio within 5%) EN 61131-2

■ Environmental Specification

ITEM	Details
Dimension	75 * 132 * 42.5 (mm)
Install	Industrial DIN rail
Operating Temperature Range	0℃ ~ 50℃
Storage Temperature Range	-20° ~ 80°c
Operating Humidity Range	5% ~ 90%RH, non-condensing
Storage Humidity Range	5% ~ 90%RH, non-condensing



제품사양

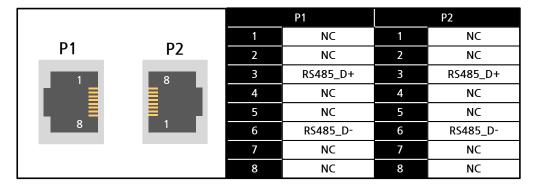


Dimension

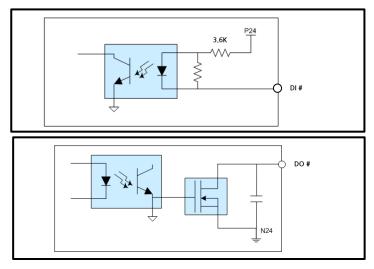


Wiring

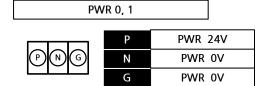
■ RJ45 Connector



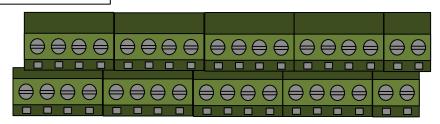
■ Circuit Diagram



■ PIN MAP



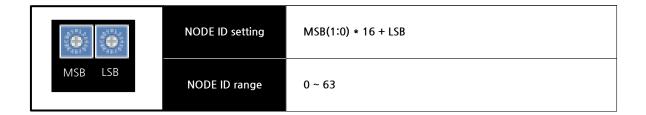




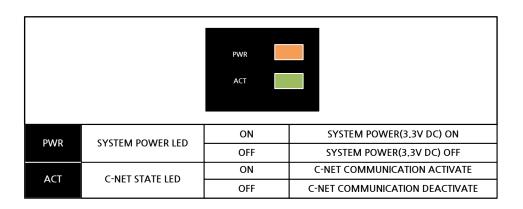
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- 1	00	DO 01	D 0	- 1	DO 03	DO 04	D 0	0 5	DO 06	DO 07	COM	DI 00	- 1	DI 01	DI 02	D 03		DI 04	DI 05	DI 06	DI 07		VDD



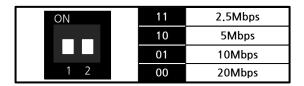
Device ID Setting



Indicators



C-NET Baud Rate Setting



Hardware Reference Manual Update List

No.	Version Date Changes in							
1								
2	1.01	2016.03.04	글꼴변경 (나눔고딕, 굴림)					

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