COMIZOA

16CHANNEL DIGITAL INPUT MODULE

cnDM16-00

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개요
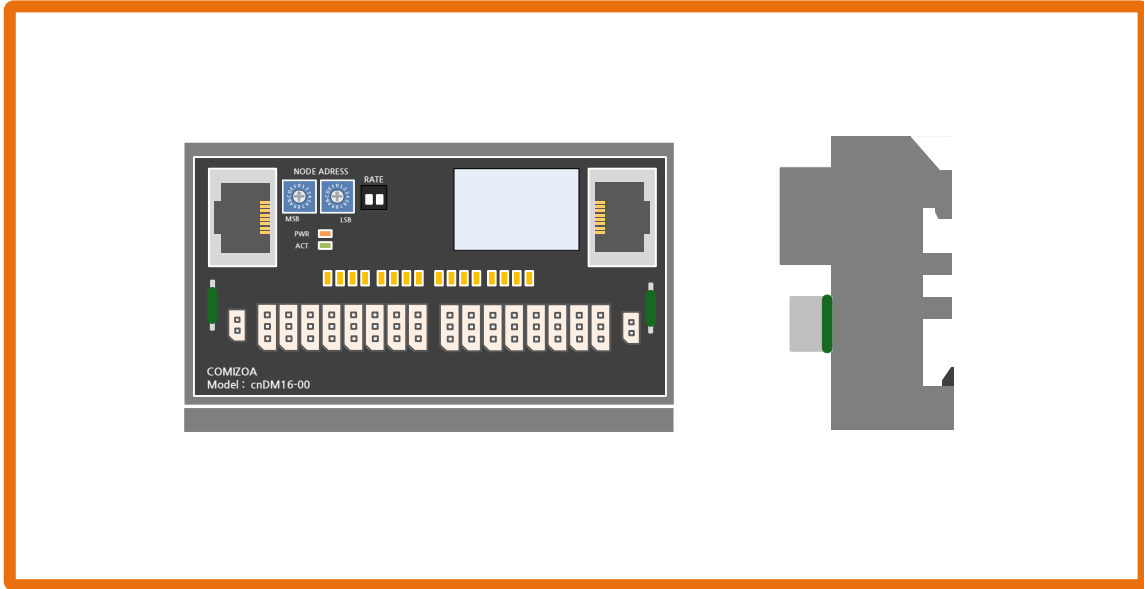
CNET Series - cnDM16-00 (Digital NPN Input 16ch)

cnDM16-00은 커미조아의 CNET 기반 제어기의 16채널 Digital 입력 모듈입니다.

각 채널의 내부 제어신호와 외부 입출력 신호는 포토커플러를 사용하여 절연됩니다.

본 매뉴얼은 cnDM16-00의 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)
	High (Min. 5V ~ Max 24V)
Isolation	1000V Channel to Channel
Input Impedance	3.6 KOhm

■ Power Specification

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

■ Environmental Specification

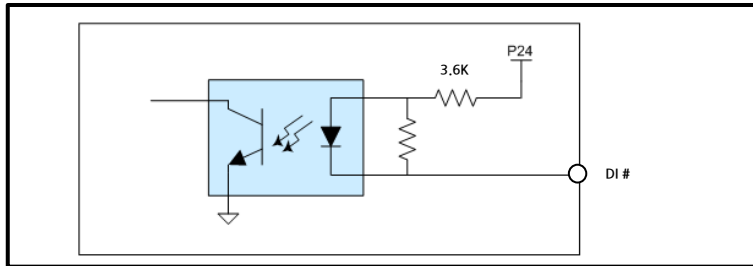| ITEM	Details
Dimension	50 * 105 * 33 (mm)
Install	Industrial DIN rail
Operating Temperature Range	0℃ ~ 50℃
Storage Temperature Range	-20℃ ~ 80℃
Operating Humidity Range	5% ~ 90%RH, non-condensing
Storage Humidity Range	5% ~ 90%RH, non-condensing
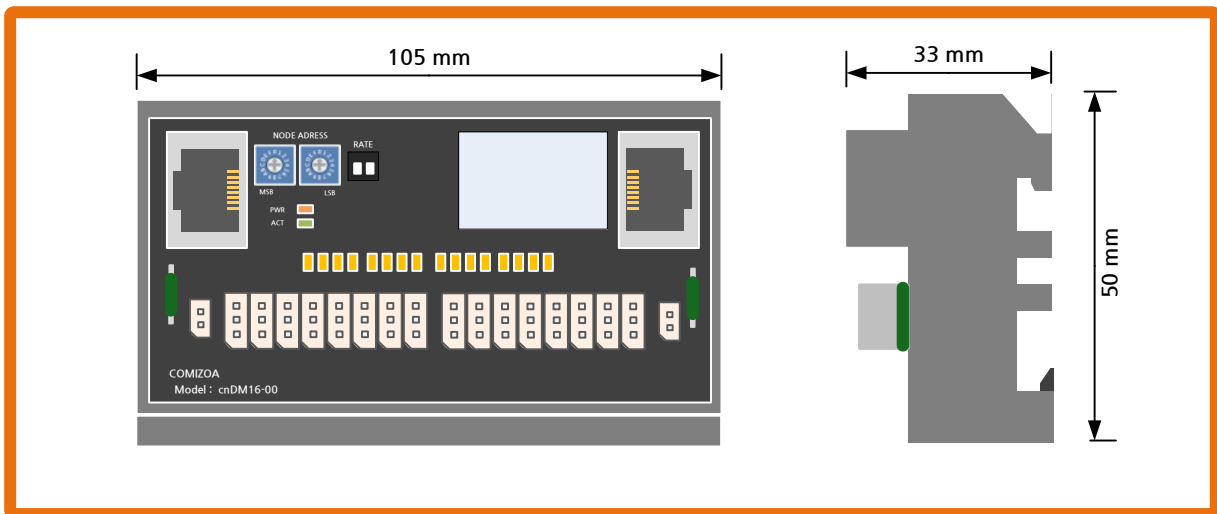
Dimension

Wiring

▣ RJ45 Connector

	P1		P2
1	NC	1	NC
2	NC	2	NC
3	RS485_D+	3	RS485_D+
4	NC	4	NC
5	NC	5	NC
6	RS485_D-	6	RS485_D-
7	NC	7	NC
8	NC	8	NC

▣ Circuit Diagram

▣ PIN MAP

PWR 0, 1

P	PWR 24V
N	PWR 0V

DI 0 ~ 15

P	I/O PWR 24V
I	Digital Input
N	I/O PWR 0V

PWR 0 DI 0 DI 1 DI 2 DI 3 DI 4 DI 5 DI 6 DI 7 DI8 DI9 DI10 DI11 DI12 DI13 DI14 DI15 PWR 1

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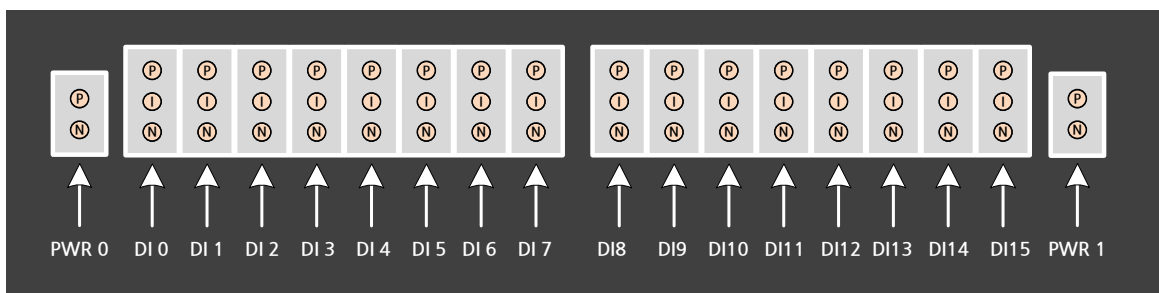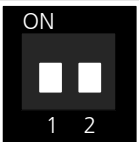
Device ID Setting

	NODE ID setting	MSB(1:0) * 16 + LSB
MSB LSB	NODE ID range	0 ~ 63

Indicators

PWR	SYSTEM POWER LED	ON	SYSTEM POWER(3.3V DC) ON
		OFF	SYSTEM POWER(3.3V DC) OFF
ACT	C-NET STATE LED	ON	C-NET COMMUNICATION ACTIVATE
		OFF	C-NET COMMUNICATION DEACTIVATE

C-NET Baud Rate Setting

ON		
	11	2.5Mbps
	10	5Mbps
	01	10Mbps
1 2	00	20Mbps

Hardware Reference Manual Update List

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

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