CNET Hardware Reference Manual

COMIZOA

32CHANNEL DIGITAL INPUT MODULE

cnDV32-00

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개요

CNET Series - cnDV32-00 (Digital NPN Input 32ch)

cnDV32-00은 커미조아의 CNET 기반 제어기의 32채널 Digital 입력 모듈입니다.

각 채널의 내부 제어신호와 외부 입출력 신호는 포토커플러를 사용하여 절연됩니다.

본 매뉴얼은 cnDV32-00의 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 32 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 @ 24V DC
Rated Input Voltage	24V DC (-15%/+20%, ripple ratio within 5%) EN 61131-2

◼ Environmental Specification

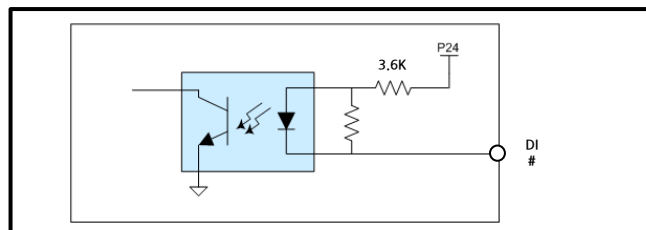| ITEM	Details
Dimension	20 * 134(162) * 76 (mm)
Install	Industrial DIN rail
Operating Temperature Range	0℃ ~ 50℃
Storage Temperature Range	-20℃ ~ 80℃
Operating Humidity Range	5% ~ 90%RH, non-condensing
Storage Humidity Range	5% ~ 90%RH, non-condensing

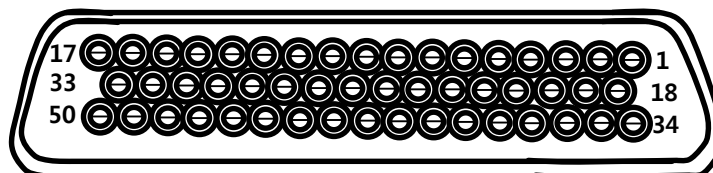Dimension

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	

P2   P1

8 1   8 1

▣ Circuit Diagram

▣ PIN MAP

Ch 0 ~ 31

1	DI0	2	DI1	3	DI2	4	DI3	5	DI4
6	DI5	7	DI6	8	DI7	9	DI8	10	DI9
11	DI10	12	DI11	13	DI12	14	DI13	15	DI14
16	DI15	17	DI16	18	DI17	19	DI18	20	DI19
21	DI20	22	DI21	23	DI22	24	DI23	25	DI24
26	DI25	27	DI26	28	DI27	29	DI28	30	DI29
31	DI30	32	DI31	33	NC	34	P24V	35	P24V
36	P24V	37	P24V	38	P24V	39	P24V	40	P24V
41	P24V	42	NC	43	NC	44	N24V	45	N24V
46	N24V	47	N24V	48	N24V	49	N24V	50	N24V

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Device ID Setting

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

Indicators

P ● ● A

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
1 2	01	10Mbps
	00	20Mbps

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Hardware Reference Manual Update List

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

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