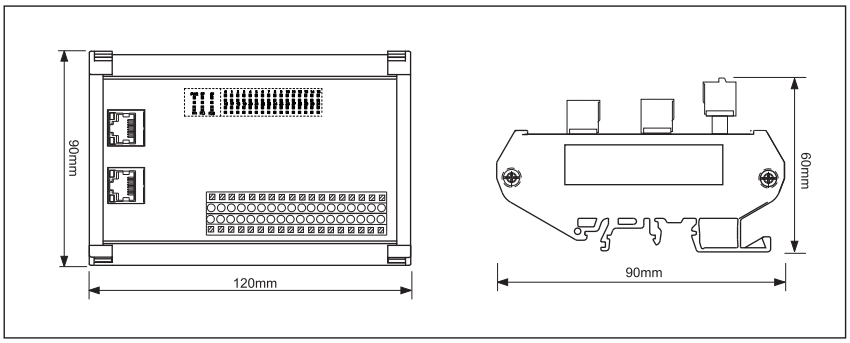
IP20 I/O Station for PROFINET

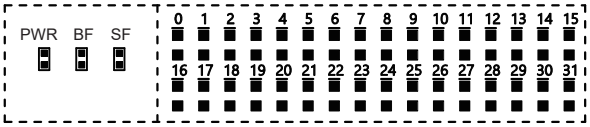
CHPN-32AI-0001 32 Analog Signals Inputs



- 32-channel 4-20mA/0-20mA input
- Signal and power connections use pluggable spring clamp terminals
- Communication uses RJ45 network port connection
- DIN35 guide rail, G-type guide rail installation
- Protection class IP20

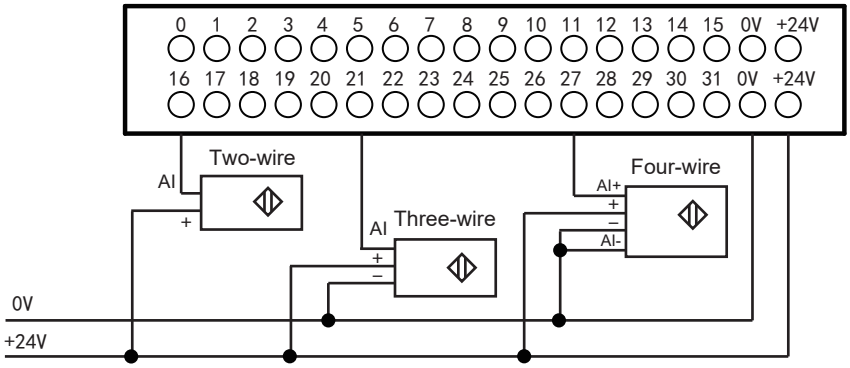
Modle	CHPN-32AI-0001
Supply voltage	24VDC ± 10%
Operating current	< 100mA
Input	
Number of channels	32
Connectivity inputs	Pluggable spring clamp terminals
Input type	4-20mA/0-20mA
Input resolution	≤12bits
Input range	0-22mA
Communication interface	
Number of communication interface	2
Transmission mode	100Base-TX
Automatic consultation mechanism	YES
Automatic cross-flip	YES
Maximum transmission rate	100Mbit/s
Operating temperature	0-55℃

Indicator Lights



PWR	Green LED lights: ON:The module power supply is normal OFF:The module power supply is disconnected
BF	Communication indicator light : RED Flash:Communication is normal OFF:Communication is abnormal
SF	NOT USE（LED OFF）
LED 0...31	Intput indicator light : Yellow ON : Signal input OFF: No signal input

Wiring diagram



Communication

RJ45 pin assignment	RJ45 plug
1. YE 2. OG 3. WH 4. N/C 5. N/C 6. BU 7. N/C 8. N/C	

Input data table

Byte	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Terminal number	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
Describe	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)

Byte	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Terminal number	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15
Describe	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)

Byte	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Terminal number	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23
Describe	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)

Byte	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Terminal number	24	24	25	25	26	26	27	27	28	28	29	29	30	30	31	31
Describe	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)	High (8bit)	Low (8bit)

Note: The 16-bit data of each terminal is unsigned data in uA.For example: Byte0:0x0F,Byte1:0xA0 means the current input of terminal 0 is 4000uA (0x0FA0), which is 4mA; Byte8: 0x4E, Byte9: 0x20 represents the 4th terminal current input 20000uA (0x4E20) which is 20mA.