Compact IP20 I/O Station for PROFINET INDUSTRIAL ETHERNET
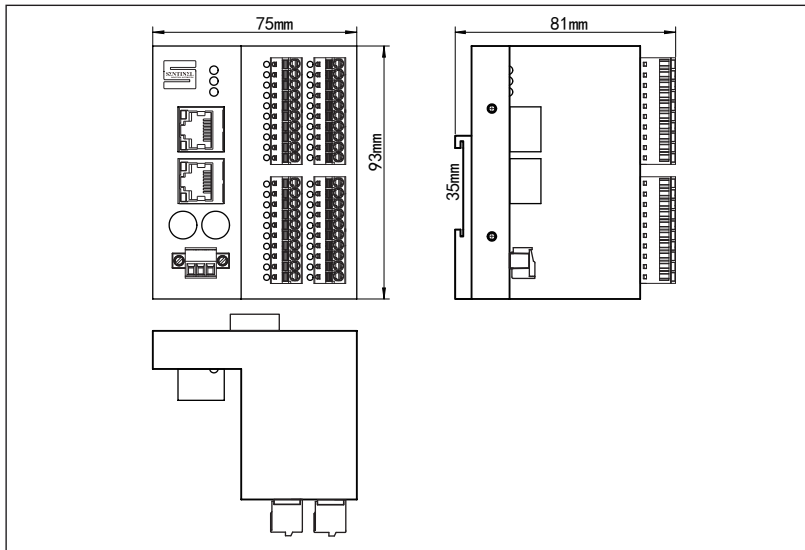
16 Digital PNP/NPN inputs

16 Digital outputs

CMPN-IOM16-0001

- 16 Digital PNP/NPN inputs
- 16 Digital Outputs，0.2A per output
- IO signal connection adopts pluggable shrapnel tightening terminal
- The power supply is connected with pluggable screw terminal strip
- 2 RJ45 ports for the Ethernet connection
- DIN guide rail installation
- Metal housing , Protection class IP20

Technical Parameter

Supply voltage	24VDC ± 10%
Operating current	< 75mA
Maximum transmission rate	100Mbit/s
Electrical Isolation mode	Optocoupler isolation

Input

Number of channels	16
Input type	PNP/NPN
Input voltage	24VDC
Switch threshold	2mA/4mA
Input delay	2.5ms
Maximum input current	6mA

Output

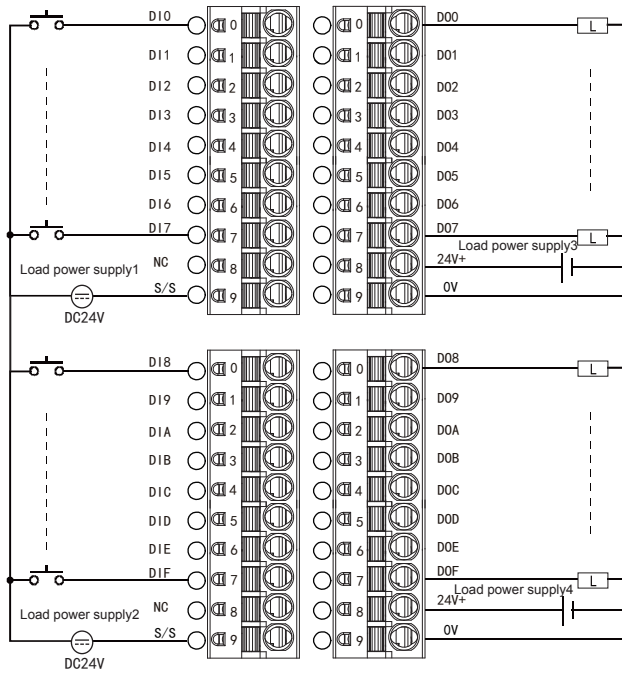|	
Number of channels	16
Output Voltage	24VDC
Output current	0.2A/channel,Except for short circuit
Load type	Resistance load、Inductive load、Indicator light

Operating temperature	0-55 ℃

	BYTE	Bit7	Bit6	Bit5	Bit4	Bit3	Bit2	Bit1	Bit0
Outputs	0	DO7	DO6	DO5	DO4	DO3	DO2	DO1	DO0
	1	DOF	DOE	DOD	DOC	DOB	DOA	DO9	DO8
Inputs	0	DI7	DI6	DI5	DI4	DI3	DI2	DI1	DI0
	1	DIF	DIE	DID	DIC	DIB	DIA	DI9	DI8

Wiring diagram

Terminal labels (left input block): DI0, DI1, DI2, DI3, DI4, DI5, DI6, DI7, NC, S/S — Load power supply1 DC24V

Terminal labels: DI8, DI9, DIA, DIB, DIC, DID, DIE, DIF, NC, S/S — Load power supply2 DC24V

Output block right: D00, D01, D02, D03, D04, D05, D06, D07, 24V+, 0V — Load power supply3

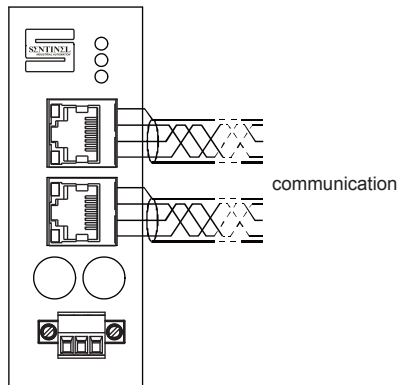Output block: D08, D09, D0A, D0B, D0C, D0D, D0E, D0F, 24V+, 0V — Load power supply4

If s/s is negative, connect the PNP sensor

If s/s is positive , connect the NPN sensor

* Load power supplies 1 and 2, just connect one

Terminal wiring

communication

Indicator lights

○ POWER
○ STATE
○ NC

POWER	Green LED lights: ON:The module power supply is normal OFF:The module power supply is disconnected
STATE	Communication indicator light : RED Flash:Communication is normal OFF:Communication is abnormal
NC、0V	NOT USE（LED OFF）
24V+	Load power indicator light, green ON：The load power supply is normal OFF：The load power supply is disconnected
DI0 to DIF、 DO0 to DOF	Input/Output indicator light : Yellow ON : Input/Output active OFF: Input/Output inactive

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	12345678

Power Supply

1 2 3
UB 24V+   UB 0V   FG