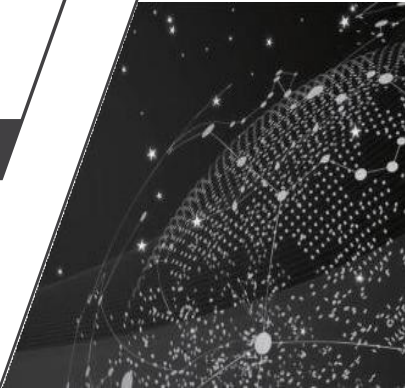




Industrial Ethernet Switch

User manual

CIEN3210G-2GF-8GT
CIEN3210GP-2GF-8GTPoE



Version:V1.0

1 Packing list

The package of this switch contains the following items. If any item is found to be missing or damaged, please contact the agent or the customer service center of Come-Star for assistant

Items	Quantity	Remarks
Industrial Ethernet Switch	1PCS	
User Manual	1PCS	
Power cord	1PCS	AD220 only

2 Product description

The switch is a full Gigabit unmanaged din-rail industrial Ethernet switch. CIEN3210GP-2GF-8GTPoE provides 10 Gigabit Ethernet ports (2 Gigabit SFP ports and 8 Gigabit PoE ports). CIEN3210G-2GF-8GT provides 10 Gigabit Ethernet ports (2 Gigabit SFP ports and 8 Gigabit copper ports).



CIEN3210GP-2GF-8GT



CIEN3210GP-2GF-8GT-AD220



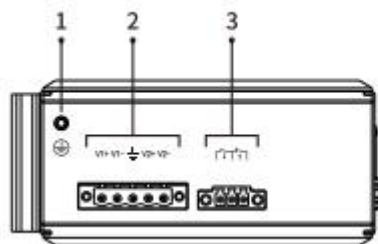
CIEN3210GP-2GF-8GTPOE

3 Interface description

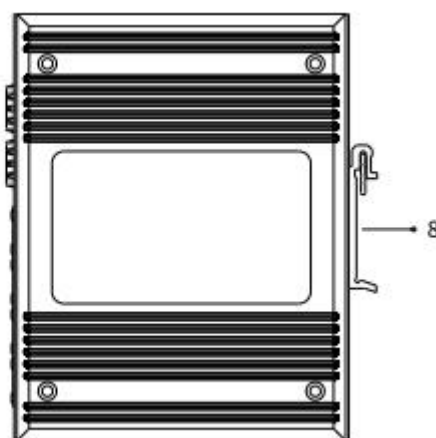
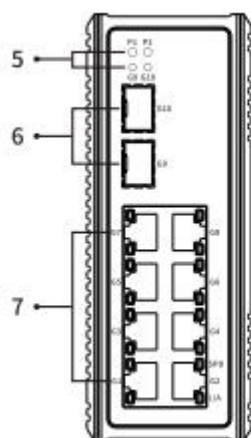
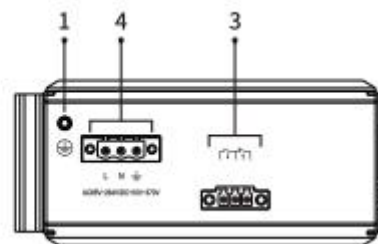
C1EN3210GP-2GF-8GT:

Unit:mm

AC top view

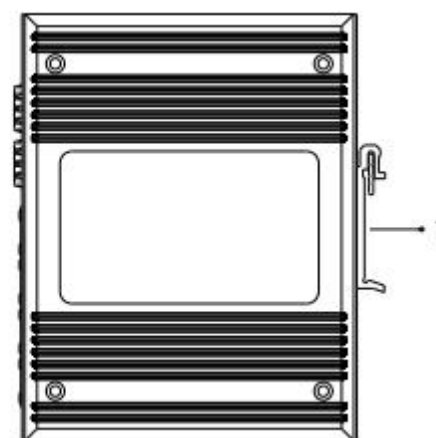
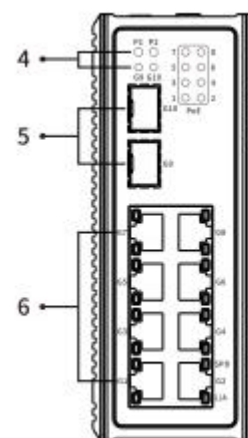
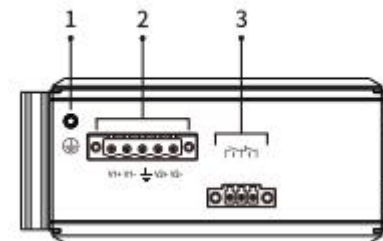


DC top view



1.Ground screw	5.Indicator LED
2.Power input terminal(DC)	6.Gigabit fiber ports
3. Relay alarm terminal	7.Gigabit copper ports
4.Power input terminal(AC)	8.Din rail kit

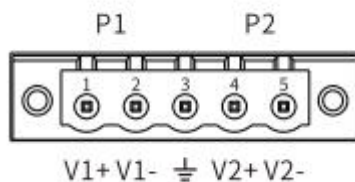
C1EN3210GP-2GF-8GTPOE:



1.Relay alarm terminal	5.Gigabit SFP ports
2.Power input terminal	6.Gigabit copper ports
3. Ground screw	7.Din rail kit
4.Indicator light	

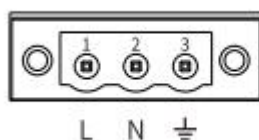
Connect to the Power

Using 5-position locking terminals with 5.08mm spacing. It supports dual power supply input, two power supply backup each other.



Number	Pin definition
1	Power 1 Input V1+/Positive
2	Power 1 Input V1-/Negative
3	Grounded
4	Power 2 Input V2+/Positive
5	Power 2 Input V2-/Negative

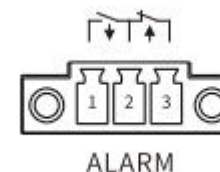
AC models support single power input,Using 3-position locking terminals with 5.08mm spacing.The definition is below:



Number	Pin definition
1	Power input L/V+
2	Power input N/V-
3	Grounded

Connect to the relay

This series of switches supports the relay alarm function, and the wiring terminals use 3-position 5.08mm pitch terminals. This relay is a normally open and a normally closed relay, the middle one is the common terminal, the left two terminals are normally open relays, and the right two terminals are normally closed relays. When the switch is working normally, the normally open relay is powered and closed, and the normally closed relay is disconnected. The recommended switching load capacity of the relay is 1A (24VDC).



Number	Pin definition
1	Alarm relay output normally open
2	Alarm relay output common terminal
3	Alarm relay output normally closed

The indicator description of the switch is shown in the following table.

Indicator lights	Status	Definition
System status LED		
P1	On	Power1 is connected and operating normally
	Off	Power1 is disconnected or the system is abnormal
P2	On	Power2 is connected and operating normally
	Off	Power2 is disconnected or the system is abnormal
Fiber Status LED		
9/10	On	The port has established a valid network connection
	Blinking	The port has network activity
	Off	The port has not established a valid network connection
Ethernet RJ45 Status LED		
Each Ethernet RJ45 port has two indicator lights, the yellow light is the port rate indicator, and the green is the status port		
SPD (G1-G8)	On	1000M working status
	Off	1000M working status or port is unconnected
LINK/ACT (G1-8)	On	The port has established a valid network connection
	Blinking	The port has network activity
	Off	The port has not established a valid network connection
POE (1-8)	On	The POE port supplies power to other PD devices normally
	Off	The POE port power supply is abnormal or there is no PD device

4 Hardware installation

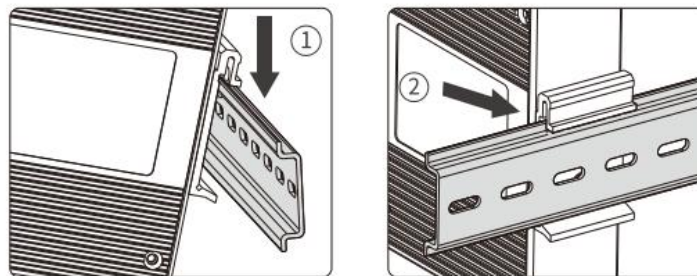
⚠ Installation Precautions

To prevent equipment damage or personal injury caused by improper use, observe the following precautions:

- During the installation process, you need to wear anti-static gloves or anti-static gloves, and power-off the switch.
- Please make sure that the input voltage is within the input voltage range marked on the switch.
- The transmission distance has a certain relationship with the connected wire. It is recommended to use a standard Cat5e/6 network cable.
- The equipment must be grounded for lightning protection, otherwise the protection level of the equipment will be greatly reduced; please use a wire of No. 20 or more to connect the grounding terminal to the ground.
- The power line, ground line and signal line are laid out separately and the distance is not less than 5cm.

Device installation

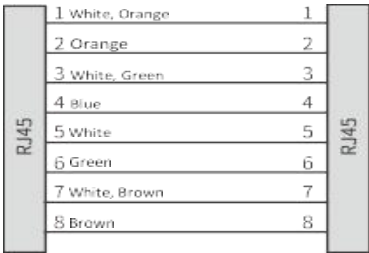
- Tilt the switch upwards so that the upper end of the buckle is fastened to the upper end of the DIN rail.
- The lower end of the back buckle is buckled into the DIN rail.



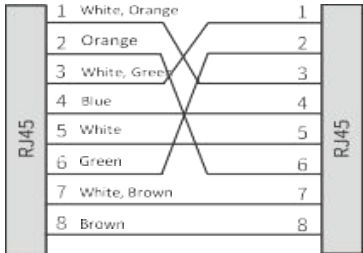
Device connection

Cable connection

Connect the optical fiber and network cable to the port in the correct



Catagory5 direct connection



Catagory5 crossover connection

Power input

Before connecting the power cord, make sure that the ground is connected. Do connect the power cord to the power terminal of the device according to the definition.

Attention:

- 1. Power-on operation: First connect the power cord to the power terminal of the device according to the definition shown in the figure above, and then power on.
- 2. Power-off operation: first unplug the power plug, and then remove the power cord.

5 Specifications

	CIEN3210G-2GF-8GT	CIEN3210GP-2GF-8GTPOE
Switch performance		

Bandwidth	20G	
Cache size	1.5Mbit	
MAC table size	4K	
Interface		
Gigabit SFP port	2x100/1000Base-X	
	SFP slot	
Gigabit copper port	10/100/1000Base-TX RJ45 ports	
	Full duplex/half duplex self-adaptation, support MDI/MDI-X self-adaptation	
Gigabit PoE port	10/100/1000Base-TX RJ45 ports	
	Full duplex/half duplex self-adaptation, support MDI/MDI-X self-adaptation, each port≤30W POE power supply Pin:1,2:Positive;3,6:Negative	
Power		
DC input	DC9-60V	DC24V/DC48~52V
AC power input	Single AC85~264V(frequency:47~63Hz)or DC110~370V	
Mechanical		
Size	140mm×54mm×110mm(H×W×D)(Excluding DIN rail)	
Installation method	35mm standard DIN rail installation	
Heat dissipation form	Aluminum alloy single-rib chassis surface heat dissipation, fanless	
IP protection	IP40	
Weight	About 0.8kg	
Working environment		
Operating temp.	-40 ~ +85℃	
Storage temp.	-40 ~ +85℃	
Humidity	5 ~ 95% (No condensation)	
Industry standard		

EMC	IEC61000-4-2(ESD), Level4 IEC61000-4-5(Surge), Level4 IEC61000-4-4(EFT), Level4 ※The network port supports 4KV lightning protection
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6 Order guide

Model	Gigabit SFP port	Gigabit PoE port	Power supply
CIEN3210GP-2GF-8GTPoE-DC 24	2	8	DC4V
CIEN3210GP-2GF-8GTPoE-DC 48	2	8	DC48~52V
CIEN3210G-2GF-8GT	2	8	DC9-60V
CIEN3210G-2GF-8GT-AD220	2	8	AC85-264V/DC 110-370V

7 Pledge

Thank you for purchasing Come-Star products. You will enjoy the following services when using Come-Star products.

We solemnly promises:under normal use, one month's return, one-year free maintenance, five-year warranty, and lifetime maintenance. The specific details are as follows:

- If Come-Star products have quality problems and cannot work normally, they will be refunded for one month, free maintenance for one year, warranty for five years, and maintenance for life.

- If the number of repaired products is less than 10, the repair service will be completed within 7 days (excluding transportation time), and the repair service will be completed within one month for more than 10 sets.
- Optical passive products such as optical fibers, optical cables, jumpers, flanges, and optical cable terminal boxes are guaranteed within two years, but no return service is provided.
- The accessories and power supply that come with the product are guaranteed for one year.
- When sending the product back to Come-Star for repair, it is recommended that the customer use the original packaging or the packaging with the same protective effect, otherwise the customer shall bear the risks that occur during the transportation.
- The repaired product can enjoy another 6 months warranty service.
- The product after-sales service is detailed in the purchase and sale contract, and Come-Star has the final interpretation right of this description.

COME-STAR COMMUNICATION(WUHAN) CO., LTD.

Add: Pu Neng Industrial Park, No. 2 Fenghuangyuan Road,
East Lake Hi-tech Development Zone, Wuhan, 430205, China.

Tel: 86-027-59257958 Post Code: 430205

Site: www.come-star.com