

WoMaster

Quick Installation Guide

Industrial DIN Rail PoE Switch DP210

Industrial DIN Rail Ethernet Switch DS210

www.womaster.eu

Overview

DP210 and DS210 are industrial 10-port unmanaged Ethernet switches that are equipped with 8-port Fast Ethernet. For high quality of video data transmission, both devices provide QoS feature and additional 2-port Gigabit Ethernet uplink; prioritized stream such as video and VoIP are also optimized. DP210 is a IEEE 802.3af/at compliant PoE switch with 8 PoE ports able to deliver up to 15.4W(af)/30W(at) per port for enabling power devices when power sources are not available.

	DP210	DS210
10/100 Base-TX	8	8
100/1000 Base-T	2	2
PoE Standard	IEEE 802.3af/at	-
Power input	8~32VDC	8~32VDC

GF & FX Model Description

	DP/DS 210-GF Model	DP/DS 210-FX Model
10/100 Base-TX	8	8
100/100MSFP Port	2 x 1000M Base SFP	2 x 100M Base SFP

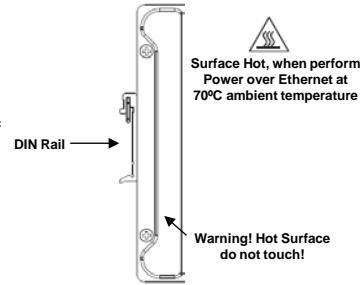
Package Checklist

- ✓ 1 x Product Unit
- ✓ 1 x 4-pin Removable Terminal Connector
- ✓ 1 x DIN Clip
- ✓ 1 x Quick Installation Guide

Installation

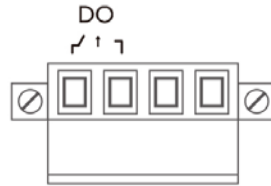
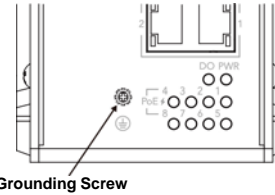
DIN Rail mount

To mount the switch on the DIN Rail track, insert the upper end of the DIN-Rail clip into the back of the DIN-Rail track from its upper side and lightly push the bottom of the DIN-Rail clip into the track. The DIN Rail should comply with DIN EN50022 standard. Using wrong DIN rail may cause unsafe installation.



Grounding Screw

For avoiding system damage by noise or electric shock, establish a direct connection between the ground screw and the grounding surface prior to connecting devices.



Wiring the Relay Output

The relay output of the 2-pin terminal block connector are used to detect user-configured events. The two wires attached to the fault contacts form a close circuit when a user-configured event is triggered. If a user-configured event does not occur, the fault circuit remains opened.

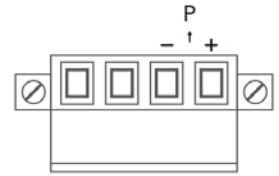
DIP Switch Setting

Port failures are indicated through DO LED, if DIP-switch is turned on. The table below shows how the DIP-switch pin number is assigned to a port number.

Pin No.	1	2	3	4	5	6	7	8	9	10
Ethernet port	1	2	3	4	5	6	7	8	9	10

Wiring the Power Input

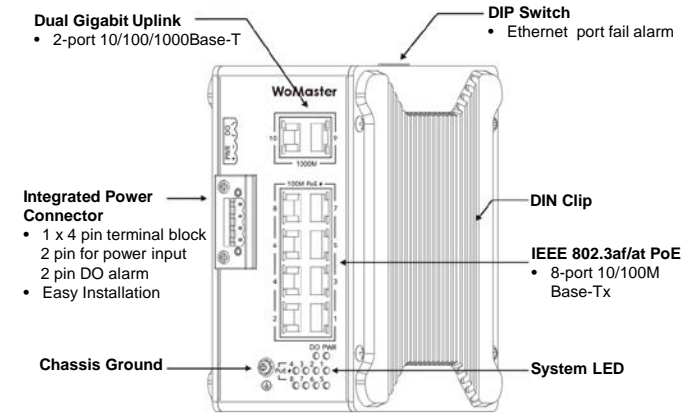
- 1) Insert the positive and negative wires into the V+ and V- contact on the terminal block connector.
- 2) Tighten the screw after the wire is connected.
- 3) Connect the power wires to suitable DC Switching type power supply.



Appearance

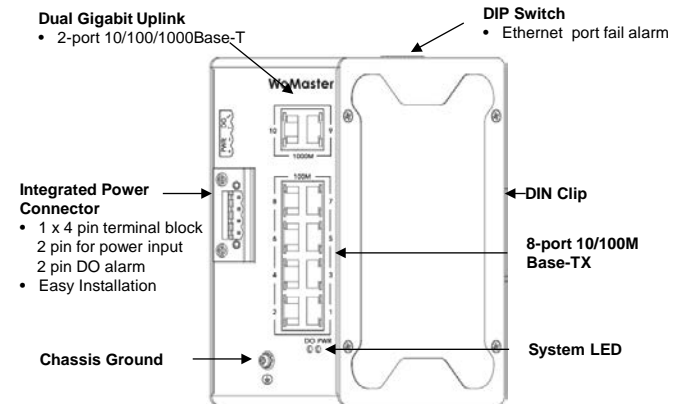
DP210

- Dual Gigabit Uplink**
- 2-port 10/100/1000Base-T



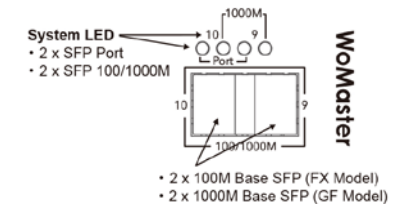
DS210

- Dual Gigabit Uplink**
- 2-port 10/100/1000Base-T



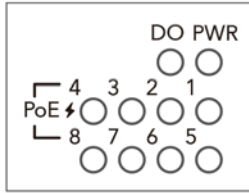
GF & FX Model SFP Ports

For GF(1000M) and FX(100M) model, the 2 SFP ports are installed on port 9 and port 10.

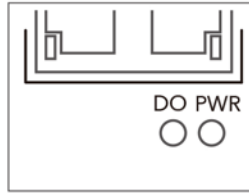


· LED Indication

DP210



DS210



LED	Status	Description
PWR	Green On	DC-IN Power is On
	Off	No Power in DC-IN
Alarm (DO)	Red On	Ports link failure (DIP Switch: ON)
	Off	No failure occurs
PoE LED 1-8 (DP210)	Green On	PoE delivering in progress
	Off	PoE is not delivering
Fast Ethernet (Port1-8)	Green On	Links established
	Green Blinking	Packets transmitting/receiving
	Amber On	Full Duplex
	Amber Blinking	Collision
	Amber Off	Half Duplex
Gigabit Ethernet (Port 9-10)	Green On	Links established
	Green Blinking	Packets transmitting/receiving
	Green Off	Link is inactive
	Amber Blinking	3 blinks: Link Speed 1000M 2 blinks: Link Speed 100M 1 blink: Link Speed 10M
SFP Port (GF/FX model)	Green On	Links established
	Green Blinking	Packets transmitting/receiving
	Green Off	Link is inactive
	Amber Blinking	3 blinks: Link Speed 1000M 2 blinks: Link Speed 100M

· Safety Precautions

- Do make sure that models connect to the corresponding supply voltage. The device is to be supplied by Limited Power Supply. The relay contact only supports 0.5 A current, DC 24V. It is not recommended to apply voltage and current higher than the specifications.
- This product is designed for indoor installation only.
- **Do not touch the surface of the switch while it is performing PoE function!**

· Support

At WoMaster, you can use the online service forms to **request the support**. The submitted forms are stored in server for WoMaster team member to assign tasks and monitor the status of your service. Please feel free to write to help@womaster.eu if you encounter any problems.

· Warranty

5-year Global warranties are available for WoMaster products assuring our customers that the products shall remain free from defects in workmanship or materials and conform in all material respects to WoMaster specifications, or Purchaser's supplied and accepted specifications.

The warranty is limited to the repair and/or replacement, at WoMaster' sole discretion, of the defective product during its warranty period. The customer must obtain a **Return Merchandise Authorization (RMA)** approval code prior to returning the defective Product to WoMaster for service. The customer agrees to prepay shipping charges, to use the original shipping container or equivalent, and to insure the Product or assume the risk of loss or damage in transit. Repaired or replaced products are warranted for ninety (90) days from the date of repair or replacement, or for the remainder of the original product's warranty period, whichever is longer.

· Disclaimer

WoMaster reserves the right to make changes to this QIG or to the product hardware at any time without notice. It is the user's responsibility to determine whether there have been any such updates or amendments herein.

Defects, malfunctions, or failures of the warranted Product(s) caused by damage resulting from unforeseeable incidents (such as lightnings, floods, fire, etc.), environmental and atmospheric disturbances, other external forces such as power line disturbances and surge, host computer malfunction and virus, incorrect power input, or incorrect cabling, incorrect grounding and damages caused by misuse, abuse and unauthorized alteration or repair are not warranted.