

Quick Installation Guide

612GX4 8+4G 1000M Managed Ethernet Switch

www.avcomm.us

• Overview

612GX4 is 8-port 10/100Base-TX RJ-45 and 4-port 1000Base-FX managed Ethernet switch with reverse polarity protection of DC input. It has ingenious appearance design and supports DIN Rail-mounted to facilitate in various industrial network applications.

• Package Checklist

- 1 x Product Unit
- 1 x Quick Installation Guide

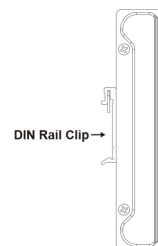
• Installation

Grounding Screw

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

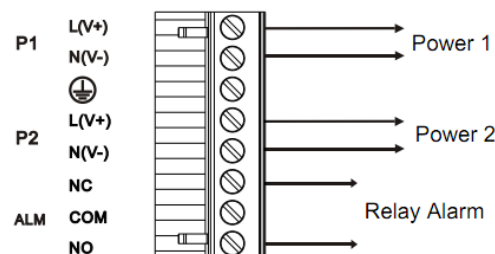
DIN Rail-mounted

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.

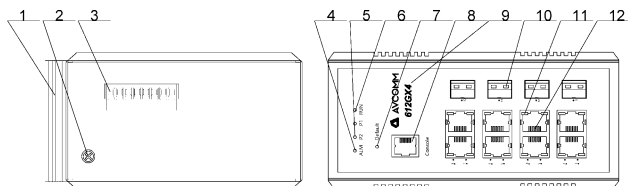


Wiring the Power Input

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



• Appearance



1. DIN-Rail clip
2. Grounding screw
3. Power & relay alarm input terminal
4. Relay alarm indicator
5. Power indicator P1 P2
6. Run indicator
7. Reset
8. Console port
9. Company logo
10. 1000Base-X port
11. 10/100Base-TX port indicator
12. 10/100Base-TX port

• Indicator

LED	Status	Description
P1 P2	Green On	Power is in normal condition
	Green Off	Power is abnormal or power failure
FAIL	Red On	With alarm output
	Red Off	Without alarm output
RUN	Green Blinking	Normal running
	Green On/Off	Abnormal running
Fiber port	Green On	Normal running
	Green Blinking	Network is established
	Green Off	Link is not ready or link failure
RJ45	Green On	100Base network is ready
	Green On Amber Blinking	100Base network is established
	Amber On Green Off	10/100Base network is ready or link failure
	Amber Blinking	10/100Base network is established
	Amber Off	Link is not ready or link failure

• Safety Precautions

- Keep DC power off before connecting to the terminal block connectors and ensure all connections are secure established.
- Do make sure that models connect to the corresponding supply voltage. The device is to be supplied by Limited Power Supply. The relay contact supports 0.5 A current, DC 24V
- **Do not touch the surface of the switch while it is in operation!**

• Management

This device supports both in-band and out-of-band network management. The user can either configure the device through the user-friendly Web/HTTPS management or remotely manage the device through the network by console management or Telnet/SSH.

- 1. Web management.** Before start, confirm that device is properly connected in the network and that each PC in this network can access the router through the web browser (Google Chrome, Internet Explorer, Mozilla Firefox).
 - Type `http://IP_address` in the address bar (Default IP address is <http://192.168.1.254/>)
 - Enter the username and password in Login screen and click Login. The default username and password are **admin**.
 - You are required to change your password at first login. The welcome page of the web-based management interface will pop up when password is changed.
 - On the left side you can see the list of software features, on the right side – available settings.
- ◆ Make sure that the IP Address of the PC is accessed in the same subnet(**192.168.1.x**).
- 2. Console management (using RS232 Port):**
 - Connect console cable between your PC and the device.
 - Start -> Program -> SecureCRT-> Rapid connection.
 - Give a name to a new console connection.
 - Choose the COM name(COM6) and select correct serial settings: Baud Rate: 115200 / Parity: None / Data Bit: 8 / Stop Bit: 1/Control of flow: None
 - Enter the username and password to login after connected (for default system administrator, both username and password are **admin**. For general user, both username and password are **guest**).
 - Follow the User Manual to configure the software features.
- 3. Telnet management.** The router can be connected by Telnet and the command-lines. Steps to open Telnet connection to the router are as follow:
 - Start -> Open Command prompt ->Enter
 - Type the username and password of Telnet, the default value are **admin**.
 - Type the managed IP address of the Ethernet port that connected with the PC and press Enter until "Username" appears to be entered.

SSH (Secure Shell)

The device also supports SSH console. You can remotely connect to the switch to access command line interface. The SSH connection can secure all the configuration commands you sent to the switch.

SSH is a client/server architecture while the Switch is the SSH server. When you want to make SSH connection with the switch, you should download the SSH client tool first.

SSH Client

There are many free, sharewares, trials or charged SSH clients you can find on the internet.

- ◆ For further feature configurations, please refer to User Manual.

• Support

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

• Warranty

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Defects, malfunctions, or failures of the warranted Product(s) caused by damage resulting from unforeseeable incidents (such as lightings, 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.