

Overview

The JetNet 7612G/5612G Series is a pure Gigabit Managed Switch with 8 ports Gigabit Ethernet plus , and 4 100/1000 SFP for optical fiber connection It adopts high efficiency Ethernet MAC controller with 24Gbps Switch fabric bandwidth, 9K jumbo frame forwarding and powerful capability. The robust system design makes the JetNet 7612G/5612G Series survive under harsh outdoor environment with extreme electric magnetic interference and the variation of environment temperature. The hardware switching with high performance, low latency and security. It provides your network infrastructure with great performance and safety with network access control, and handle burst packet with smart buffer management for IP surveillance in real infrastructure.

Package Check List

- ▶ JetNet 7612G/7612GP/5612G/5612GP
- ▶ DIN Mounting kit
- ▶ DB-9 to RJ-45 (RS-232) Console Cable
- ▶ Quick Installation Guide



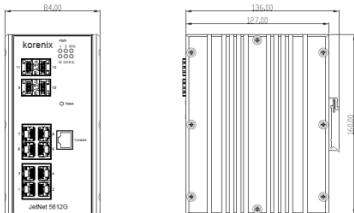
Installation

Interface Introduction

JetNet 7612G/5612G supports 8 ports Gigabit Ethernet RJ-45, and 4 ports swappable 100/1000 Ethernet SFP socket for fiber connection.

Mounting the DIN Rail

The DIN Rail clip on the rear of JetNet 7612G/5612G, and supports 35mm DIN rail.

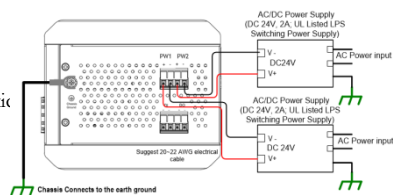


Power Details

Model Name	Layer	Power Input Range	Power Budget
JetNet 7612G	L3 Switch	10-36V	-
JetNet 7612GP	L3 Switch	46-57V	240W
JetNet 5612G	L2 Switch	10-36V	-
JetNet 5612GP	L2 Switch	46-57V	240W

Wiring the Power Inputs & Earth Grounding

1. Insert the positive and negative wires into the V+ and V- contact on the terminal block connector.
2. Connect the Chassis Grounding to Earth Ground system to obtain electromagnetic immunity to resist lightning, electro static discharge and electric fast transient.
3. Tighten the wire-clamp screws to prevent the power wires from being loosened.

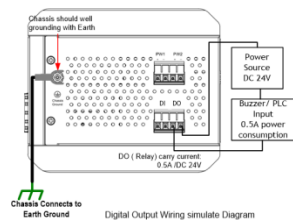


Notes: The recommended working voltage is listed in “Power Details”

Wiring the Relay Output

The relay output contacts are in the bottom side. The relay output (DO) is controlled by the pre-defined operating rules. To activate relay output function, please refer to the User’s Manual for more relay output management information.

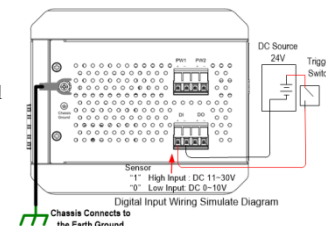
Notes: The relay contact only supports 0.5 A current, DC 24V. It is not recommended to apply voltage and current higher than the specifications.



Wiring the Digital Input

The Digital Input (DI) contacts are in the bottom. It accepts one external DC type signal input and can be configured to send alert message through Ethernet when the signal is changed. The signal may trigger and generated by external power switch, like as door open trigger switch for control cabinet.

Note: the DI accepts DC type signal and supports isolated input circuit with Digital High Level input DC 11V~30V and Digital Low Level input DC 0V~10V. Do not apply voltage higher than the specification; it may cause internal circuit damage or a wrong action of DI.



Connect to Network

1. Connect the Ethernet Port: Connect the Ethernet port of JetNet 7612G/5612G Series with the other Ethernet device by Cat-5/Cat-6 UTP or STP cable, and then the LNK/ACT LED will turn on and start flashing to indicate the communication is occurred between 2 device.
2. Connect the SFP Port: Plug in SFP fiber transceiver. We recommend using Korenix certificated SFP mini GBIC transceiver. Cross-connect the transmit channel at each end of the receive channel at the opposite end.

Device Management

You can configure JetNet 7612G/5612G Series via the RS-232 console with the attached console cable. Or you can remotely manage the switch via network. You can choose Telnet/SSH, Web/HTTPS management.

Preparation for console management

Attach the RS-232 DB9 connector to your PC’s COM port. Connect the RJ-45 connector to the console port of the JetNet Switch.

1. Go to Start ▶ Program ▶ Accessories ▶ Communication ▶ Hyper Terminal
2. Give a name to the new console connection.
3. Choose the COM name and select the correct serial settings. The serial port settings are as below: Baud Rate:115200/Parity: None/Data Bit: 8/Stop Bit: 1
4. After connected, you will see the Switch login request. Type the username and password and then you can login. The default username is “admin”, password is “admin”.

5. Follow the manual to configure the software features.

Preparation for Web management

1. Launch the web browser on the PC.
2. Type http://JetNet Managed Switch_IP_Address (The default IP address is 192.168.10.1), then press Enter.
3. The login screen will appear next. Type in the user name and password and click “OK” button. The default user name and password is admin/admin.
4. At the left column of the web management interface are the software features, where ring column will list the available settings.

Support

5 Years Warranty

Each of Korenix’s product is designed, produced, and tested with high industrial standard. Korenix warrants that the product(s) shall be free from defects in materials and workmanship for a period of five (5) years from the date of delivery provided that the product was properly installed and used.

This warranty is voided if defects, malfunctions or failures of the warranted product are caused by damage resulting from force measure (such as floods, fire, etc.), other external forces such as power disturbances, over spec power input, or incorrect cabling; or the warranted product is misused, abused, or operated, altered and repaired in an unauthorized or improper way.

Attention! To avoid system damage caused by sparks, please DO NOT plug in power connector when power is on.

The product is in compliance with Directive 2002/95/EC and 2011/65/EU of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronics equipment (RoHS Directives & RoHS 2.0)

Korenix Customer Service

KorenixCARE is Korenix Technology’s global service center, where our professional staffs are ready to answer your questions at any time. Email address of Korenix Global Service Center : KoreCARE@korenix.com

导言

JetNet 7612G/5612G系列是具有8端口千兆以太网口以及4个100/1000 SFP光纤口的工业型网络管理交换机。JetNet 7612G/5612G系列具备24Gbps高速网络数据交换能力并支持9KBytes大封包。优异的工业结构设计使其具备耐受恶劣环境能力，适合应用于工业现场、轨道交通以及道路数据通讯应用，如影像视频安防、道路交通控制信号。JetNet 7612G/5612G具有完善的网络管理及增进网络传输效益功能。除网络效益外其辉煌的电磁敏感性检测水平，亦实现了铁路轨道及道路抗电磁辐射干扰及优良耐候特性，能满足各项交通安防需求。

产品清单

- ▶ JetNet 7612G/7612GP/5612G/5612GP
- ▶ 轨道夹扣
- ▶ DB-9 to RJ-45 串口线
- ▶ 快速安装向导



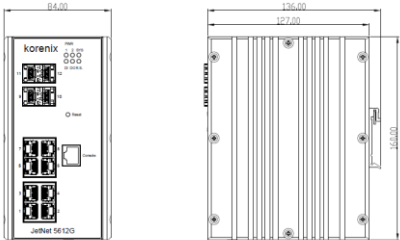
安装

界面介绍

JetNet 7612G/5612G 系列支持8端口千兆以太网RJ-45及4个100/1000 SFP插口支持SFP光收发器光纤传输。

轨道安装

该导轨卡夹已经收紧锁定在后侧面板，请采用并支持EN50022标准35mm宽工业轨道以便安装交换机。



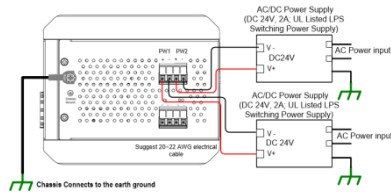
电源指南

Model Name	Layer	Power Input Range	Power Budget
JetNet 7612G	L3 Switch	10-36V	-
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JetNet 5612G	L2 Switch	10-36V	-
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接线的电源输入与系统接地

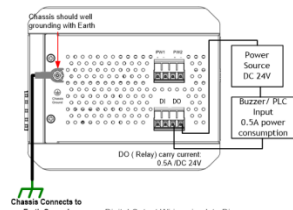
1. 将正和负导线插入V+和V-接触端子台连接器上。
2. 连接机箱接地与系统大地以便获得优良的电磁干扰保护，如静电、浪涌放电、快速脉冲放电。
3. 拧紧丝钳螺丝，以防止电源线发生松弛。

注意：请采用国家核可具备安全规范的电源共应器，输出电压范围请参考电源指南。



连接继电器输出

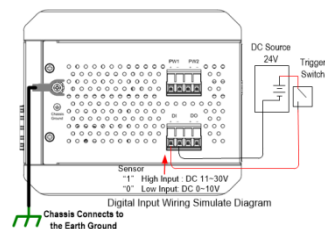
继电器输出触点处于底侧上。继电器输出 (DO) 是通过预先定义的操作规则来控制。要激活继电器输出功能，请参阅用户手册，了解详细继电器输出的管理信息。
注意：继电器触点只支持0.5 A电流，直流24V。不建议施加高于规格的电压和负载电流。



连接数字输入

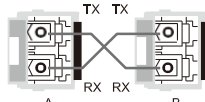
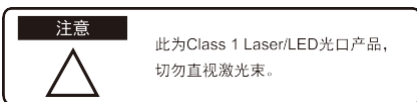
数字输入 (DI) 接触是在该装置的底侧。它接受一个外部直流信号输入，并且可以配置为通过以太网发送警报消息时当信号改变时。该信号可以触发并通过外部电源开关产生的，就像是开门触发开关控制柜。

注意：DI接受DC型信号隔离输入电路，并支持使用数字高电平输入直流11V~30V和数字低电平输入DC0V~10V。不要施加电压超过规格更高，它可能会造成内部电路损坏或造成DI的一个永久性错误动作。



连接到网络

1. 连接以太网端口：以Cat-5e/ CAT-6 UTP或STP电缆连通 JetNet7612G/5612G 系列的以太网端口到其他以太网设备，LNK/ACT指示灯将亮起并开始闪烁，表示2设备之间正在通信。
2. 连接SFP端口：插上SFP光纤收发器。我们建议使用科洛理思认证的SFP GBIC迷你收发器。传输信道需交叉连接到另一端的接收信道。



管理接口

JetNet 7612G/5612G 系列工业管理型交换机提供了带内和带外配置方法。您可以通过RS-232控制面板的连接控制面板电缆配置交换机。你也可以选择的Telnet/ SSH、网络/ HTTPS进行远程网络管理交换机。
准备控制面板界面软件
将RS-232 串口DB9连接到PC的串口。串口线的RJ-45连接器连接到JetNet交换机的Console口。

1. 计算机开始 ▶ 程序集 ▶ 附属应用程序 ▶ 通讯 ▶ 超级终端机界面
2. 建立一个超级终端机联机名称
3. 选择COM串口名称，并选择正确的串口设置。JetNet交换机的串口端口设置如下：115200bps, N, 8, 1
4. 连接后，你会看到交换机登录请求。输入用户名和密码，然后就可以登录。默认用户名为“admin”，密码为“admin”。
5. 连接后，你会看到交换机登录请求。输入用户名和密码，然后就可以登录。默认用户名为“admin”，密码为“admin”。

在网络管理上准备

1. 启动PC上的网页浏览器
2. 键入http://JetNet Managed Switch_IP_Address (默认IP地址是192.168.10.1)，然后按Enter键。
3. 登录屏幕窗口待会将出现。在用户名和密码，键入单击“确定”按钮。基于Web的管理界面的欢迎页面将出现即可。默认的用户名和密码是admin/admin。
4. 在Web管理接口的左侧栏的是交换机软件功能，其中点击环圈将列出可用的相关设置细项。

客户服务

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注意! 请勿于电源开启时插拔接线端子，避免产生火花造成系统损坏。此产品保证完全符合欧盟2003年1月27日电气和电子设备有害物质限制委员会限用指令2002/95/EC (RoHS)及2011/65/EU(RoHS 2.0)。

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业务服务: sales@korenix.com.cn
官网: www.korenix.com.cn

Korenix Technology Co., Ltd.
(A Beijing Electronics Group Company)
Tel: +886-2-89111000
Fax: +886-2-29123328
Business service: sales@korenix.com
Customer service: koreCARE@korenix.com
www.korenix.com
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Granted Invention: I 356616
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Granted Invention: I 398066
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