

### Overview

The JetNet 7310G is an pure Gigabit Managed Switch with 8 ports Gigabit Ethernet plus IEEE 802.3at PoE/PSE function, and 2 Gigabit SFP for Gigabit Ethernet fiber connection.

The Switch system offers 240W system PoE Power budget with 35W forwarding capability in each port with high voltage (54V) power input.

The Switch system's housing is designed with one pieces of heat-sink to dissipate heat when perform high power PoE for DOM IP Camera, Wireless AP. It also provides excellent heat dissipation, even working in road-side cabinet, it still can deliver high power to far-end PoE-PDs. It also adopts comprehensive network feature with brilliant Electro-Magnetic Susceptibility testing level carried out the ability for the Railway Track –Side surveillance.

### Package Check List

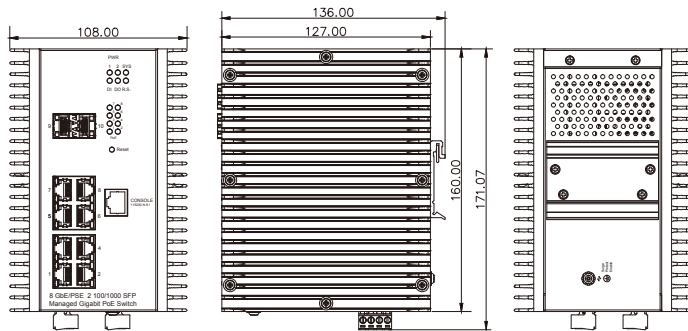
- ▶ JetNet 7310G
- ▶ DIN Mounting kit
- ▶ DB-9 to RJ-45 RS-232 Console Cable
- ▶ Quick Installation Guide



### Installation

#### Interface Introduction

JetNet 7310G supports 8 ports Gigabit Ethernet RJ-45, and 2 ports Gigabit Ethernet SFP socket for fiber connection.



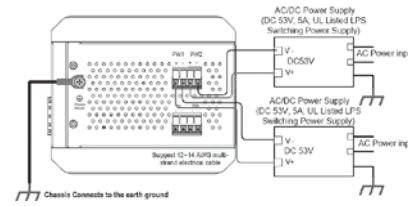
#### Mounting the unit

The DIN Rail clip on the rear of JetNet 7310G, and supports 35mm DIN rail.

#### 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 DC 53V. Use the UL Listed LPS Power supply with output Rating 46~57 VDC, minimum 5A currents.

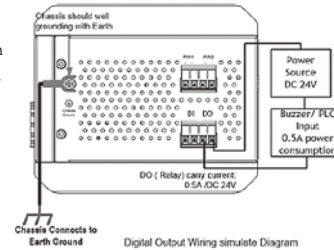


#### Wiring the Relay Output

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

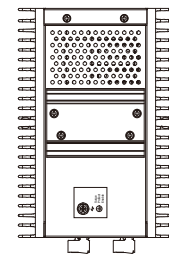
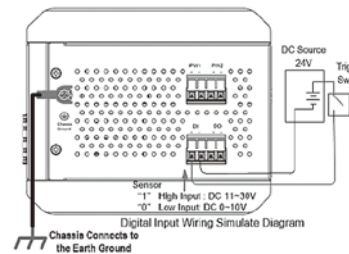
The Digital Input (DI) contacts are in the bottom. It accepts one external DC type signal input and can be configured to send alert message through Ethernet when the signal is changed. The signal may trigger and generated by external power switch, like as door open trigger switch for control cabinet.

**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.

#### Connecting the Surge/Lighting protection

The surge protection activate screw located on the rear side that nearby the DIN rail clip. Always tighten the screw and ensure the surge protection activate screw is tighten with Earth-Ground well.

- Note:**
1. Ensure the Surge/Lighting is well connecting with Chassis Grounding.
  2. Remove the Surge/Lighting Screw before perform insulation/Hi-pot testing.
  3. Never install or work on/with the equipment or the cabling during the period of its lightning activity.



### Device Management

You can configure JetNet 7310G 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.

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## 概述

JetNet 7310G是具有8端口IEEE 802.3at PoE / PSE千兆以太网共电口以及2千兆SFP光纤口的工业型网络管理交换机。交换机每个端口具有35W共电能力，系统提供240W PoE总共电功率。系统设计采用一体式散热模块为高阶DOM型网络监控摄像机，无线AP存取时，进行高功率以太网供电时提供优异散热能力。整体式散热结构设计，即使在路侧机柜中工作，仍然可以为远端PoE-PD提供高功率。它还采用综合网络功能，具有辉煌的电磁敏感性检测水平，实现了铁路轨道及道路边 IP视频监控应用的能力。

## 产品清单

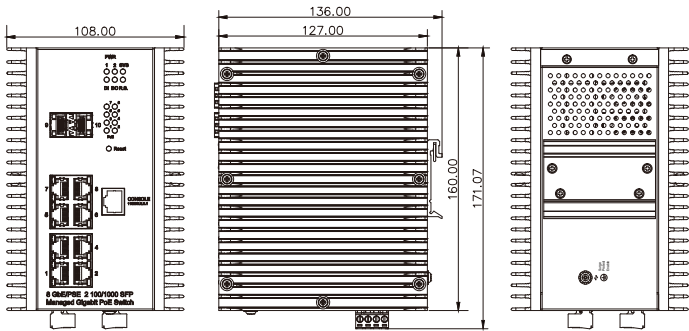
- ▶ JetNet 7310G
- ▶ 轨道夹扣
- ▶ DB-9 to RJ-45 串口线
- ▶ 快速安装向导



## 安装

### 界面介绍

JetNet 7310G 支持8端口千兆以太网电口及2个千兆以太网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。

### 接线的电源输入与地球接地

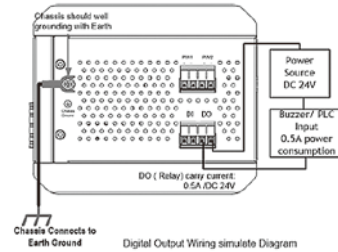
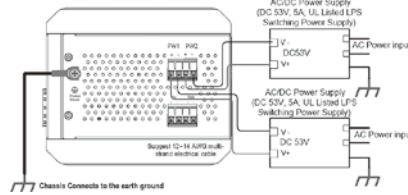
1. 将正和负导线插入V+和V-接触端子台连接器上。
2. 连接机箱接地与系统大地以便获得优良的电磁干扰保护，如静电,浪涌放电，快速脉冲放电。
3. 拧紧丝钳螺丝，以防止电源线发生松弛。

**注意：**请采用国家核可具备安全规范的电源共器，输出电压范围46-57 VDC，电流共应不小于 2.5A，建议采用 53V 作为标准以太网供电操作电源电压。

### 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

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。

### 连接电涌保护

电涌保护激活螺丝位于后方轨道扣具下方。务必拧紧螺丝，确保机箱-接地螺丝与大地系统接地连接，以便取得良好的浪涌雷击保护。

**注意：**

1. 确保浪涌螺丝与机箱良好接地
2. 执行绝缘/耐压测试前，请先拆下浪涌保护螺。测试后务必锁回电涌保护激活螺丝。
3. 切勿安装设备在雷电活动期以避免触电发生危险。

## 管理接口

JetNet 7310G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。或者你也可以选择的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. 按照使用手册安装软件功能。

### 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项。

## 客户服务

### 5年质保

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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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官网: www.korenix.com.cn

Patent No. (Taiwan):

Granted Invention: I 313547

Granted Invention: I 321415

Granted Invention: I 344766

Granted Invention: I 346480

Granted Invention: I 356616

Granted Invention: I 364684

Granted Invention: I 376118

Granted Invention: I 393317

Granted Invention: I 398066

Granted Invention: I 398125

Granted Invention: I 459757

Utility Model: M 339841

Utility Model: M 339840

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