



JetNet 4706 Series Industrial PoE Switch Quick Installation Guide V1.2

Overview

Korenix JetNet 470 series are Industrial Power over Ethernet (PoE) Switches with 4x Fast Ethernet RJ-45 ports with PoE injectors and 2x uplink ports. The uplink ports are 10/100TX ports for the JetNet 4706 or 100FX ports for the JetNet 4706f.

These uplink ports can be used to link to High-End switches, or perform redundant ring functionality to improve network reliability – e.g. for surveillance via IP.

JetNet 4706 series provides comprehensive software features, such as PoE power limit, PoE power scheduling, VLAN, QoS and Rapid Super Ring. The management interfaces include SNMP, Web, Console, Telnet and a powerful and user-friendly Korenix's managing utility under Windows -- JetView.

The JetNet 4706 series can deliver power to PoE Powered Devices (PD devices). This include surveillance cameras, wireless Access Points, VoIP phones, industrial sensors, security card readers or advertisement panels. Typically, this power is up to 15.4w for standard IEEE 802.3af devices or 30w for High Power Device.

Package Check List

- ▶ JetNet Industrial PoE Switch
- ▶ RS-232 DB-9 to RJ-45 console cable
- ▶ Quick Installation Guide
- ▶ Din-rail / Wall Mounting kit



Installation

Mount the unit

The DIN-rail clip can be screwed to the rear of JetNet PoE switch to mount it on DIN rail or it can be mounted on a wall.

Power the unit and connect it to the network

1. Connect the PWR1 / PWR2. The unit will power on and the PWR1 / PWR2 LED will blink during the boot up. When the unit is ready, the power LED will turn on.

Alarm Relay Output 1A @ DC 24V



The terminal block accepts 12-24AWG wire. The JetNet 4706 series provides reverse-polarity protection on the power input

2. The input voltage can be between DC 24-55V ; however, the voltage provided will affect the available power through each PoE port. When the input voltage is DC 24V, each PoE port can provide a maximum of 13.53W with DC 22V output. This increases to 29.5W for High Power PD devices when a supply of DC 55V is provided.

3. The alarm relay output of JetNet 4706 series can be configured for various events, such as link or power status. To enable this function, please refer to the user manual.

Notice-1: To use DC 24V power input, please confirm with your PD manufacturer that PD can be powered by DC 24V or less. JetNet PoE switch can ONLY deliver DC 22V through Ethernet when receiving 24VDC power input.

Notice-2: Please confirm with your PD manufacturer that the PD device supports standard IEEE 802.3af with detection and classification resistors.

JetNet PoE switch can ONLY power PD device that follows standard IEEE 802.3af.

Powering the Powered Device

JetNet 4706 series follows the IEEE 802.3af Alternative B mode connector assignment.

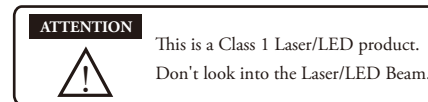
The power is provided through pin of 4, 5, 7 and 8 of the RJ-45 port. Please ensure that your powered device (PD) is fully compatible with IEEE802.3af and able to receive power described above, or the PD will not work properly with the JetNet PoE Switch.



Caution: Ensure JetNet 4706 mounted on well heat radiated panel and under 60°C environment during PoE port progress High Power forwarding . High Power PoE feeding will cause system temperature to increase.

Connecting the Fiber (JetNet 4706f)

JetNet 4706f includes 2 fiber ports for Fast Ethernet Fiber uplink or for connection to other Fibre-Optic devices. Two fiber ports of a switch are homogeneous; either both multi-mode (up to 2km) or single-mode (up to 30 km).



Device Grounding

There is one grounding screw on the right side of the JetNet 4706 series. Connect the frame grounding of switch to the grounding surface, to ensure safety and prevent electric noise.

Device Management

The JetNet 4706 series Industrial Managed PoE Switch provides both in-band and out-band configuration. You can configure the switch via the RS232 console port with the attached console cable. Or you can remotely manage the switch via network, using Telnet / SSH or Web / HTTPS management.

Web management: Make sure your JetNet 4706 is properly connected to your local network, in the same subnet.

1. Launch the web browser (Internet Explorer or Mozilla Firefox) on the PC.
2. Type `http:// 192.168.10.1 /`, then press Enter. The default IP address of JetNet 4706 series is 192.168.10.1
3. The login screen will appear and then key in the user name and the password. The default user name and password is admin/admin.
4. Click OK, and you will enter web console.
5. The left column of web console shows the software functions; the right column lists available settings.



Support

5 Years Warranty

Each of Korenix's product line 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

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导言

JetNet 4706系列是工业PoE (Power over Ethernet) 以太网供电交换机, 拥有4个RJ-45以太网供电端口, 和两个上联端口。

上联端口是10/100TX自我调整端口(JetNet 4706), 或100FX光口(JetNet 4706f)。这些上联埠可用于连接高端交换机, 或提供冗余功能, 提供网络的可靠性。例如: IP 监视系统。

JetNet4706系列交换机提供全面的软件功能, 如PoE限量供电, 计划供电控制, VLAN, QoS及RSR快速环网功能。网管接口则包括SNMP, Web, Console, Telnet及功能强大接口友好基于Windows窗口的Korenix管理工具-- JetView。

JetNet 4706 PoE以太网供电交换机可为PoE以太网受电设备 (PD设备) 供电。这些设备包括监视摄像头, 无线AP, VoIP电话, 工业传感器, 卡片阅读机, 或是电子广告牌。这些设备的典型特征, 耗电量满足IEEE 802.3af 标准的15.4w, 或高电量的30w。

安装

硬件安装

- ▶ JetNet工业PoE以太网供电交换机
- ▶ RS-232 DB-9 转RJ-45 console线缆
- ▶ 快速安装向导
- ▶ 导轨 / 壁挂配件

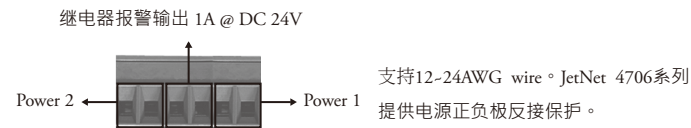


安装配件

JetNet 侧面的耳翼可透过导轨配件固定在导轨上, 或固定在墙上。

电源联机及网络联机

1. 连接PWR1 / PWR2并通电。PWR1 / PWR2的LED指示灯闪烁表示交换机正在启动, 正常启动后, 电源LED会常亮。



2. 输入电压支持的范围: 24V ~ 55V DC, 当然, 输入电压的大小决定着PoE端口输出的电量。当输入电压是24VDC时, 每个PoE端口可提供最高13.53W电量。当输入电压时55VDC时, 则可为下联PD设备提供高达29.5W的电量。

3. JetNet 4706的继电器报警输出功能可提供故障报警, 如断线或断电的情况。请参考用户手册, 启动该功能。

提示:

1. 请与PoE设备供货商确认PD设备符合IEEE 802.3af标准。JetNet PoE以太网供电交换机只为符合IEEE 802.3af标准的PD设备供电。

2. 使用24VDC 电源输入, 请与PoE设备供货商确认24V PoE 满足PD设备的供电要求。当输入电压是24VDC时, JetNet PoE以太网供电交换机只能提供24V PoE输出。为PD设备供电

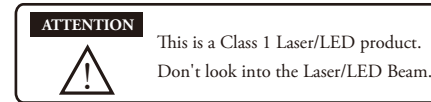
JetNet 4706系列满足IEEE 802.3af 二选一的B模式连接定义。透过RJ-45端口连接的双绞线其中的4, 5, 7, 8芯供电。请确认受电设备(PD)符合IEEE802.3af标准, 可以依上述受电, 否则PD设备则不能正常工作。

注意: 请确保将JetNet 4706安装在具有良好热辐射性能的面板上, 且环境温度低于60°C。特别是PoE端口在进行高电量传输时, 会导致系统温度升高。

连接光纤(仅供JetNet 4706f)

JetNet 4706f具有2个上联光口, 用于连接其他光口设备。

JetNet 4706f-m 光口支持多模(最远2km), 或JetNet 4706f-s支持单模(最远30km)。



地线连接

JetNet 4706机身底部有一颗地线螺丝。将交换机接地, 确保安全及防止电气干扰。未进行交换机系统接地, 导致之功能损害, 将不列入质保范围, 维修将另行收费。

设备管理

JetNet 4706系列网管型工业PoE以太网供电交换机提供in-band和out-band两种设定模式。你可以透过console线缆连接RS232 console端口对交换机进行设定, 或者也可以透过Telnet / SSH 或 Web / HTTPS远程管理交换机。

Web管理: 请确认JetNet4706已经成功接入本地网络, 并与控制面板在同一子网。

1. 开启PC web浏览器(Internet Explorer 或 Mozilla Firefox)
2. 在地址栏键入http:// 192.168.10.1 / , Enter。JetNet 4706的预设IP是 192.168.10.1
3. 弹出登录框键入用户名和密码, 默认的用户名和密码是admin/admin
4. 单击OK, 便可进入web控制台
5. 左边的树型目录显示了所有软件功能, 右边列出相关设定项。



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注意! 请勿于电源开启时插拔接线端子, 以避免产生火花造成系统损坏。

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