

# Beijer

ELECTRONICS

JetNet 3205G(-1F)  
Quick Installation Guide V1.1

## Overview

JetNet 3205G/JetNet 3205G-1F is a compact size 5(4)-port 10/100/1000T(X) and 0(1) port 1000Base F(X) Industrial Ethernet Unmanaged Switch, which ensures high switching performance and easy installation. Along with its high switching performance, it supports multiple internal performance features, such as 9K bytes Jumbo Frame, Flow Control, it ensures quality traffic transmission.

The JetNet 3205G/3205G-1F adopts rugged metal case design to operate in harsh environment (-40~75°C).

It features one relay output to alarm users if power fails. JetNet 3205G(-1F) is recommended to be powered by DC 24V with 10-60V ranged.

## Package List

- ▶ JetNet 3205G(-1F) Ethernet switch
- ▶ Quick installation guide

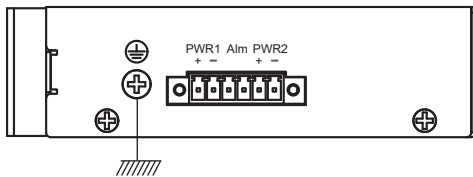
## Installation

### Mount the unit

Din-Rail mount: Mount the Din-rail clip on the rear of JetNet 3205G (-1F) on the DIN rail.

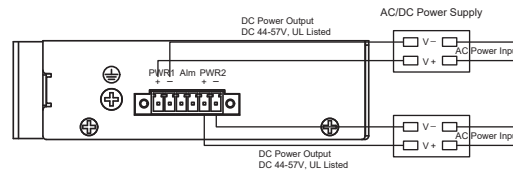
### Grounding JetNet 3205G (-1F)

There is one grounding screw on the bottom side of JetNet 3205G(-1F). Connect the earth ground screw of JetNet 3205G(-1F) to the grounding surface to ensure safety and prevent noise.



## Wiring the Power Inputs

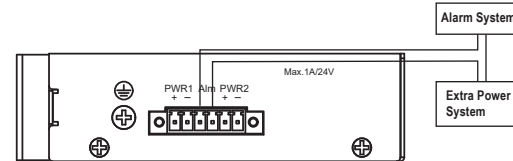
1. Insert the positive and negative wires into the V+ and V- contact on the terminal block connector.
2. Tighten the wire-clamp screws to prevent the power wires loosened.



**Note:** The recommended working voltage is DC 24V. (Input range: DC10~ 60 V)

## Wiring the Relay Output

The relay output contacts are in the middle of the terminal block connector as shown below. By inserting the wires relay output alarm will detect power fault, and avoid form a short circuit.



**Note:** The relay contact only support 1A current, DC 24V. It does not recommend apply higher voltage and current that over this specification.

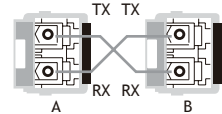
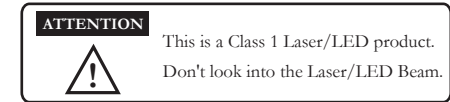
## Connecting to Network

Connecting the Ethernet Port: Connect one end of an Ethernet cable into the UTP port of JetNet 3205G/3205G-1F, while the other end is connected to the attached networking device. UTP port support auto MDI/MDIX function.

The LNK / ACT LED will turn on for link up and blinking for packet transmit and receive. The Speed LED will turn on for Gigabit link and turn off for 10/100Mbps link.

LED	Color	Function
P1, P2	Green	Power (1,2) on
P-F	Red	Power failure (1 or 2)
1-5(4)	Green	Link
	Flashes Green	Activity
	Amber	Gigabit speed
SFP (JetNet 3205G-1F)	Green	Link
	Flashes Green	Activity

Connection the Fiber Port (JetNet 3205G-1F): The SFP port accept standard Gigabit MINI GBIC SFP transceiver. Plug in SFP transceiver and cross-connect the transmit channel at each end to receive channel at the opposite end.



## Support

### 5 Years Warranty

Each of Beijer Electronics's product is designed, produced, and tested with high industrial standard. Beijer Electronics 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, 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)

## 导言

JetNet 3205G(-1F) 是具有5(4)个千兆以太网网络电口及1个千兆 SFP 光纤口之工业以太网交换机，符合 IEEE 802.3u 和 802.3ab 标准。

JetNet 3205G(-1F)交换机采用坚固的铝合金外壳结构设计，能够在恶劣的工业环境 (-40~75°C) 稳定工作，符合IP31工业防护标准，它还支持一路继电器报警输出，可针对断电状态提供现场报警服务。

JetNet 3205G(-1F) 在机身底部装有可拆卸电源线槽，其输入电源范围是10~60V，建议采用稳定的24V直流电为设备供电。

## 产品清单

- ▶ JetNet 3205G-1F 工业媒体转换器\*1
- ▶ 快速安装指南\*1

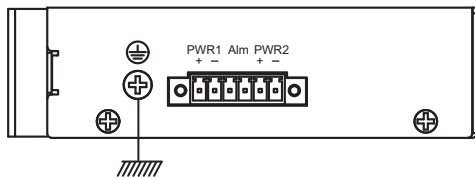
## 安装

### Din-Rail支架

将JetNet 3205G(-1F) 背面的Din-rail夹子安装在DIN导轨。

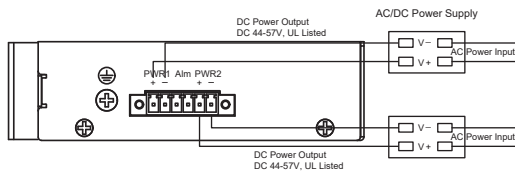
### JetNet 3205G(-1F) 接地

JetNet 3205G(-1F) 底部有一个接地螺丝。将JetNet 3205G-1F连接框架接地以保证安全，防止噪音造成通信干扰。



### 输入电源接线

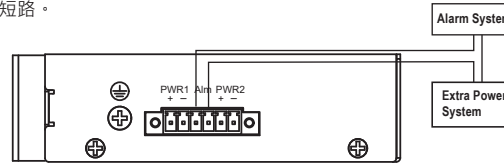
1. 将正极和负极线插入端子块连接器上的V+和V-触点。
2. 拧紧电线夹螺钉，防止电源线松动。



注意：推荐的输入电压为DC 24V。(可输入范围：DC10~60V)

## 接线输出

继电器输出触点位于连接器端子中间，如下所示。继电器输出报警将检测电源故障，并形成短路。



注意：继电器触点仅支持 1A 电流，DC 24V。不建议使用超过本规范的更高的电压和电流。

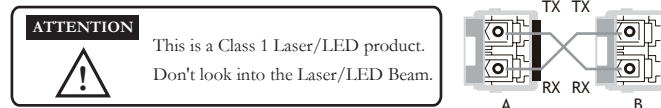
## 连接到网络

连接以太网端口：将以太网电缆的一端连接到 JetNet 3205G(-1F) 的 UTP 端口，另一端连接到所连接的网络设备。UTP 端口支持自动 MDI/ MDIX 功能。LNK / ACT LED 将亮起并闪烁，表示 RJ-45 端口链路和从 RJ-45 接收和发送的数据包。

LED	颜色	功能
P1, P2	绿色	电源输入 (1.2)
P-F	红色	无电源输入 (1 or 2)
1-5(4)	绿色	RJ-45 端口链路
	闪绿	RJ-45 接收和发送的数据包
	棕色	速度千兆
SFP (JetNet 3205G-1F)	绿色	SFP 端口链路
	闪绿	SFP 接收和发送的数据包

## 光口连接 (JetNet 3205G-1F)

光口连接:光纤线一端连接JetNet光口，另一端连设备，如下图所示连接模式。错误的连接会致使光口不能正常工作



## 客户服务

### 5年质保

北尔电子产品的设计、制造及测试都是采用较高的工业标准。北尔电子保证自产品出货日起提供最高5年之免费保修服务，保修期间如因零件损坏或制程不良而导致产品故障，我们提供免费维修服务。自然外力（火、水、雷灾）所造成的产品故障，或其它外部因素如电源干扰、不当电源输入、不当接线等造成的损坏，不列入产品保固范围；此外，产品被误用、未经授权的修理及修改等行为将造成保固条款失效。

**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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