

Industrial Unmanaged Gigabit PoE Ethernet Switch

JetNet 3205GP-1F



- ▶ 4 10/100/1000Base-TX PoE Ports plus 1 1000Base FX uplink port (JetNet 3205GP-1F)
- ▶ 4 PoE ports compliance with IEEE802.3af/at standard
- ▶ Industrial Slim Size Design
- ▶ 9K bytes Jumbo Frame for large file transmission
- ▶ Power Event Alarm
- ▶ IP31 rugged metal case
- ▶ EN50121-4 EMC Protection
- ▶ Operating Temperature -40~75°C



Gigabit



EN50121-4

9KB

Jumbo Frame



Slim Size

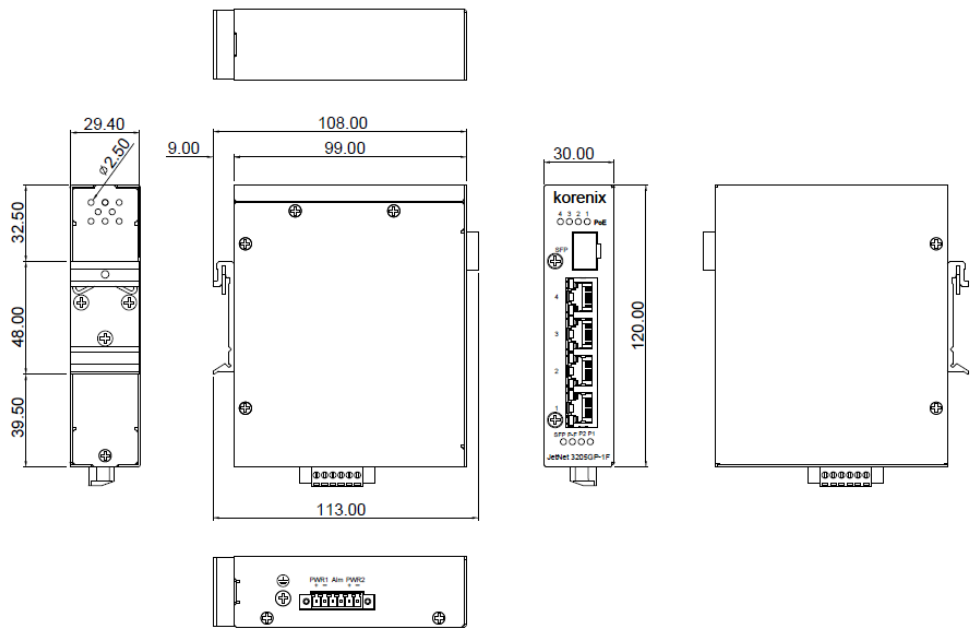
Overview

JetNet 3205GP-1F is a compact size Industrial Ethernet Unmanaged Switch, which provides 4 ports 10/100/1000Base T(X), 802.3af(PoE), and 802.3at(PoE) compliant Ethernet ports and 1 Gigabit (fiber) port. The JetNet 3205GP-1F provide up to 30 watts of power per PoE port for industrial applications such as IP surveillance or automation. Along with its high switching performance, it supports multiple internal performance features, such as 9K bytes Jumbo Frame, Flow Control, and broadcast storm filtering ensuring quality traffic transmission

JetNet 3205GP-1F is designed for operating reliably under harsh environments, it supports one alarm relay to indicate fault conditions when power failure happens, as a result, users can quickly handle the emergency and shorten the failover time. It has IP31 rugged mental housing provides great injection protection and heat dispersion capability for the need of -40~75 °C wide operating temperature, and it complies to EN50121-4 Track Side Standard so that can ensure the EMC protection capability.

Dimensions (Unit = mm)

JetNet 3205GP-1F



Technology

IEEE Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3x Flow Control IEEE802.3af Power over Ethernet IEEE 802.3at Power over Ethernet enhancements
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Performance

Switch Technology	Store and Forward technology
MAC Address	2K MAC Address table
Packet Buffer	1Mbits packet buffer
Transfer packet size	64Bytes ~9216Bytes
Transfer Performance	14,880pps for 10M Ethernet , 148,800pps for Fast Ethernet and 1488,095pps for Gigabit Ethernet
Broadcast Storm Control	Default enabled Traffic threshold: 25Mbps @ 1000Mbps; 25Mbps @ 100Mbps; 25Mbps @ 10 Mbps
Jumbo frame	Up to 9K Bytes

Interface

Ethernet Port	JetNet 3205GP-1F 4-port 10/100/1000BaseT(X) RJ-45 Ethernet Port Non-blocking Switching Performance Auto negotiation speed, Full/Half duplex mode and auto MDI/MDI-X connection
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Interface

Fiber Port	• 1-port 1000Base FX (JetNet 3205GP-1F)
Power over Ethernet	• IEEE 802.3af Power over Ethernet, 15W/port • IEEE 802.3at Power over Ethernet enhancements, 25.5W/port • PoE output Mode: Alternative-A (RJ-45, conductor: 1, 2, 3, 6)
Ethernet Cable	• 100 Base-TX: 4-pair Cat.5e / Cat.6 UTP/STP cable, 100Meters • 1000 Base-T: 4-pair Cat.5e/Cat.6 UTP/STP cable, 100Meters
Alarm Contact	1 relay output with current carrying capacity of 1A @ 24 VDC
LED	4x PoE powering (Green on) 2x Power (Green on) 1x Alarm: Power Event (Red on) Per Ethernet Port : Link (Green on), Activity (Green blink) 1000Mbps (Amber on) / 100 or 10Mbps (Amber off) 1X SFP : Link (Green on), Activity (Green blink) (JetNet 3205GP-1F)

Power Requirement

System Power	Power inputs with redundancy with reverse polarity protection
Voltage	Dual 44~57VDC(>50V for IEEE 802.3at)
Input Current	0.05A @ 60VDC/0.22A@10VDC
Connection	1x removable 6-contact terminal block
Power Budget	112W@52V
Power Consumption	3.6Watts @ 60VDC JetNet 3205GP-1F

Mechanical

Installation	DIN-Rail mounting
Case	IP31 grade metal case
Dimension (mm)	99 (D) x 30 (W) x 120 (H) (without DIN rail clip)
Installation	DIN-rail mounting
Weight	0.9kg with package 0.65kg without package

Environmental

Operating Temperature	-40~75℃
Operating Humidity	0% ~ 95%, (non-condensing)
Storage Temperature	-40~85℃
Storage Humidity	0% ~ 95%, (non-condensing)

Approvals

EMC	EN 55032/24, IEC 61000-6-2/-6-4, EN50121-4:2015 EMI: CISPR 22, FCC Part 15B Class A EMS: IEC 61000-4-2 / IEC 61000-4-3 / IEC 61000-4-4/ IEC 61000-4-5/ IEC 61000-4-6/ IEC 61000-4-8
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Free Fall	IEC60068-2-32
Warranty	5 years

Ordering Information

includes	Product Unit Quick Installation Guide
JetNet 3205GP-1F	Industrial 4-port Gigabit PoE + 1 Gigabit SFP Ethernet Switch
includes	Product Unit Quick Installation Guide

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