INDUSTRIAL ETHERNET SWITCH

Industrial 5-port Gigabit Ethernet Switch

JetNet 3205G series

▸ 5 RJ45 ports for 10/100/1000Base-TX Ethernet Ports (JetNet 3205G)

▸ 4 RJ45 ports for 10/100/1000Base-TX Ethernet Ports and 1 1000Base FX (JetNet 3205G-1F)

▸ 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℃

▸ Wide Power input 10~60VDC

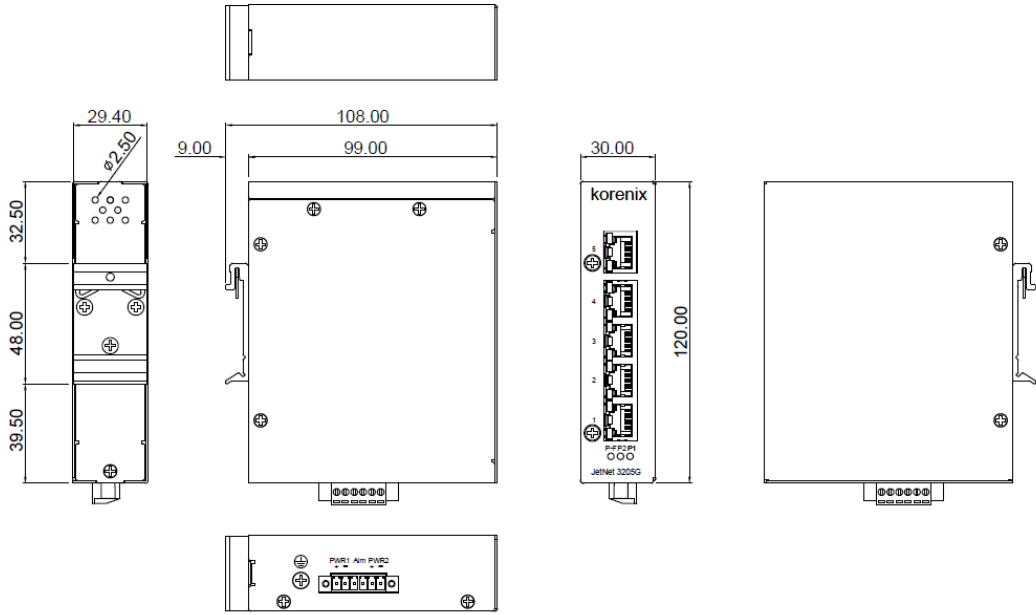| G Gigabit	10~60V	EN50121-4	9KB Jumbo Frame	Slim Size

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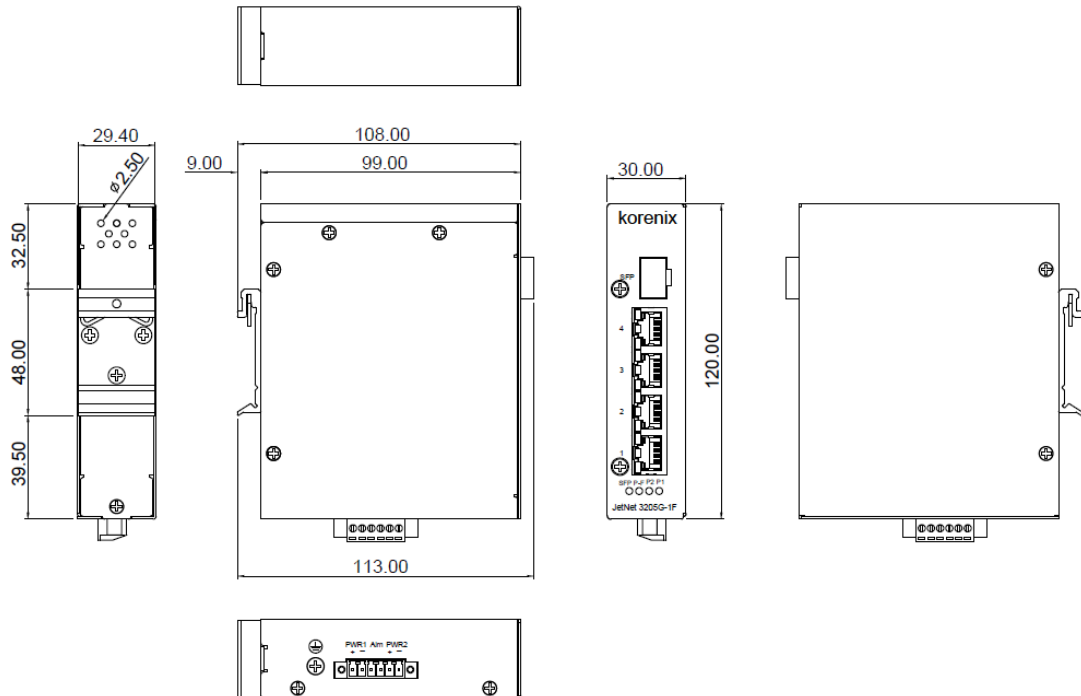
   JetNet 3205G/JetNet 3205G-1F is designed for operating reliably under harsh environments, it supports one alarm relay to indicate fault conditions when power failure happens, as a result, users can quickly handle the emergency and shorten the failover time. It has IP31 rugged mental housing provides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

Dimensions (Unit = mm)

JetNet 3205G

JetNet 3205G-1F

Technology	
IEEE Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3x Flow Control

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	
RJ-45 Port	JetNet 3205G 5-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 JetNet 3205G-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
Fiber Port	• 1-port 1000Base F(X) (JetNet 3205G-1F)
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	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 3205G-1F)

Power Requirement	
System Power	Power inputs with redundancy with reverse polarity protection
Voltage	Dual 10~60VDC
Input Current	0.05A @ 60VDC/0.22A@10VDC
Connection	1x removable 6-contact terminal block
Power Consumption	3Watts @ 60VDC for JetNet 3205G 3.6Watts @ 60VDC for JetNet 3205G-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	
JetNet 3205G-1F	Industrial 4-port Gigabit RJ-45+ 1G SFP Ethernet Switch
includes	Product Unit Quick Installation Guide
JetNet 3205G	Industrial 5-port Fill Gigabit Ethernet Switch
includes	Product Unit Quick Installation Guide