

Industrial 8GbE Unmanaged Switch

JetNet 3008G V2



- ▶ 8 Gigabit Ethernet Ports with Auto MDI/MDI-X
- ▶ Industrial Slim Size Design
- ▶ 10K bytes Jumbo Frame for large file transmission
- ▶ Port and Power Event Alarm
- ▶ IP31 rugged aluminum case
- ▶ EN50121-4 EMC Protection
- ▶ Operating Temperature -40-70°C
- ▶ Wide Power input 9-60VDC
- ▶ IEEE 802.1p Class of Service (CoS) for packet forwarding precedence
- ▶ Broadcast storm packet filtering



Gigabit



10-60V



EN50121-4

9KB

Jumbo Frame



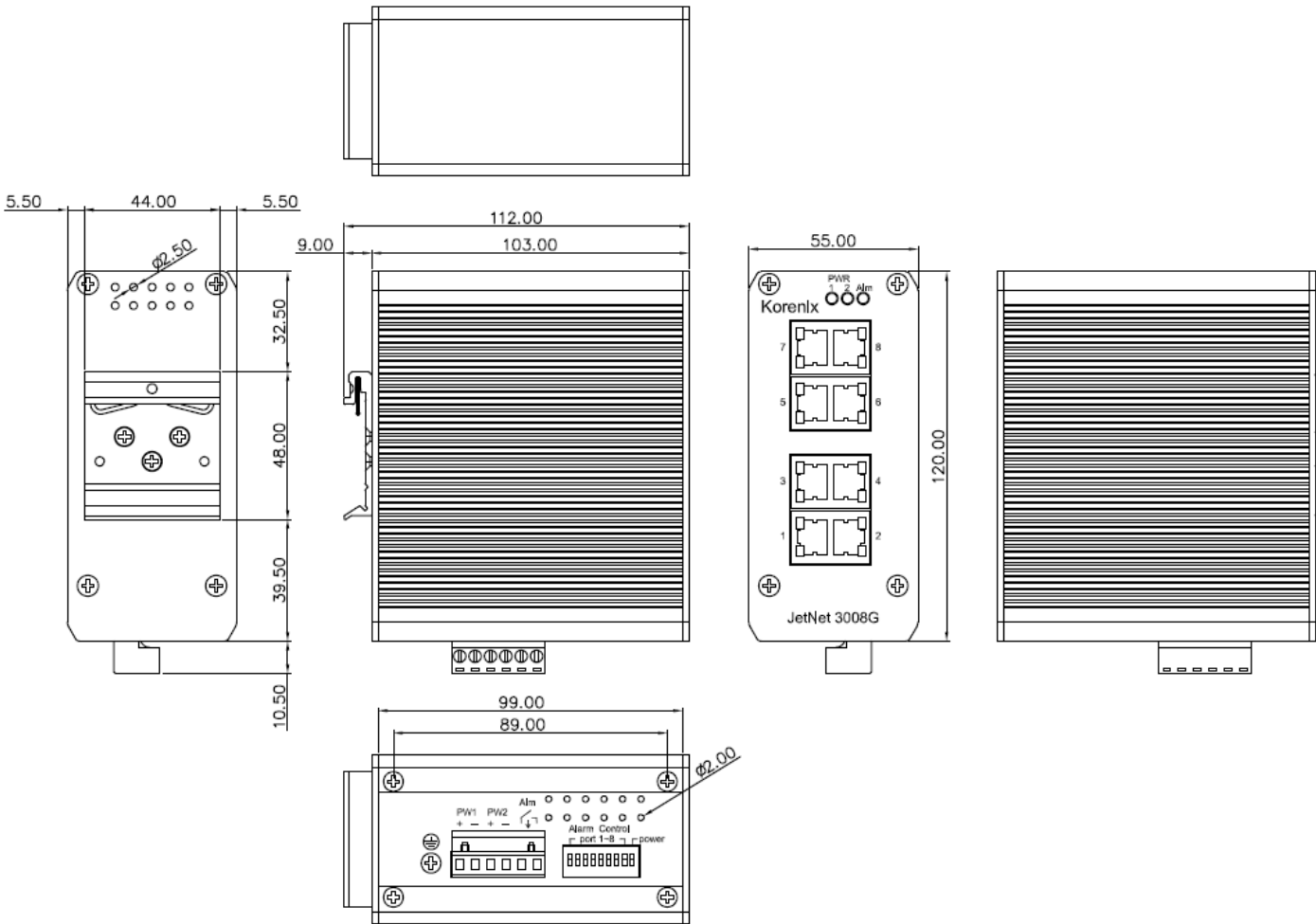
Slim Size

Overview

JetNet 3008G is an 8-port full Gigabit Industrial Ethernet Unmanaged Switch, ensures high switching performance and easy installation, which is an ideal solution for the most bandwidth demanding applications such as IP surveillance. Along with its high switching performance, it supports multiple internal performance features, such as 10K bytes Jumbo Frame, Flow Control, it ensures quality traffic transmission.

JetNet 3008G is designed for operating reliably under harsh environments, it supports one alarm relay to indicate fault conditions when any link or power failure happens, as a result, users can quickly handle the emergency and shorten the failover time. Its IP31 rugged aluminum housing provides great injection protection and heat dispersion capability for the need of -40-70 °C wide operating temperature, and it complies to EN50121-4 Track Side Standard so that can ensure the EMC protection capability.

Dimensions (Unit = mm)



Technology	
IEEE Standards	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3x Flow Control and Back-pressure IEEE 802.1p Class of Service IEEE 802.3x Flow Control
Performance	
Switch Technology	Store and Forward technology with non-blocking wire speed
System Throughput	23.8Mega packets per second, 64Bytes packet length
MAC Address	16K MAC Address table with automatic learning and aging
Packet Buffer	2Mbits shared packet buffer
Transfer packet size	64Bytes -1522Bytes
Transfer Performance	14,880pps for 10M Ethernet , 148,800pps for Fast Ethernet and 1488,100pps for Gigabit Ethernet
Jumbo frame	Up to 10K Bytes
Class of Service	Default Enabled Compliance with IEEE802.1p class of service with Tag Based Priority rule. Each switch port provides 4 priority queues as following - 8 (Higher) : 4(High) : 2(Low) :1(Lower) scheduling. The Tag Priority ID as following: Highest (6,7), High (4,5), Low (0,3), Lowest (1,2)
Interface	
Enclosure Port	8-port 10/100/1000BaseT(X) RJ-45 Ethernet Port Non-blocking Switching Performance, 16Gbps for 8 Ethernet ports Auto negotiation speed, Full/Half duplex mode and auto MDI/MDI-X connection
Ethernet Cable	<ul style="list-style-type: none"> • 100 Base-TX: 2-pair Cat.5E / Cat.6 FTP/STP cable, EIA/TIA 568B 100-ohm, 100Meters • 1000 Base-T: 4-pair Cat.5E/Cat.6 FTP/STP cable, EIA/TIA 568B 100Ohm, 100Meters
Alarm Contact	1 relay output with current carrying capacity of 0.5 A @ 24 VDC Enabled by -pin Dip switch . Provides port (SW1-8) and power (SW9) event alarm
LED	2x Power (Green on) 1x Alarm: Port/ Power Event (Red on) Per Ethernet Port : Link (Green on), Activity (Green blink) 1000Mbps (Yellow on) / 100 or 10Mbps (Yellow off)
Power Requirement	
System Power	Power inputs with redundancy and polarity reverse protection
Voltage	Dual 9-60VDC
Input Current	0.17A @ 24V
Connection	1x removable 6-contact terminal block
Power Consumption	Max 4.5 Watts @ 48VDC
Mechanical	
Installation	DIN-Rail mounting
Case	IP31 grade aluminum metal case
Dimension (mm)	120 (H) x 55 (W) x 103 (D) (without DIN rail clip)
Installation	DIN-rail mounting
Weight	0.75kg with package 0.65kg without package
Environmental	
Operating Temperature	-40~70°C
Operating Humidity	0% ~ 95%, (non-condensing)
Storage Temperature	-40~85°C
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 3008G	Industrial 8-port Full Gigabit Ethernet Switch
includes	Product Unit Quick Installation Guide