

## Industrial Managed Protocol Switch

# JetLink 2108 Managed Switch support EtherNet/IP



### Feature:

- 8 ports 10/100 Base-T Fast Ethernet RJ-45
- Supports EtherNet/IP Protocol for Factory Automation
- Provides EtherNet/IP EDS (Electronic Data Sheet) file, AOI (Add-On Instructions) file, and FactoryTalk® View faceplate
- SNMP v1/v2c/v3, WEB, Standard MIB, Private MIB
- Layer 2 Network Performance - Port based VLAN, GVRP, IGMP Snooping v1/v2/v3, MLD Snooping, Storm Control, Link Aggregation
- Layer Security: Static, Dynamic, MAC address filtering
- Software Feature: TFTP, HTTP, Dual Image
- JetLink Ring: High-speed recovery time less than 20ms
- Wide Temperature design -40~75°C
- Dual 12-48V Wide Power Input
- IP 30 Metal Case Protection



Layer 2



Factory



Wide Temp



Dual Power

## Overview

JetLink 2108 is a new generation of entry-level managed switch products. They support the EtherNet/IP protocol to communicate with Ethernet/IP based PLCs.

The devices come with a compact metal housing that is IP30 rated to protect against dusty industrial environments. The wide power input power (12 to 48 VDC) and wide temperature (-40~75°C) design are dedicated to operating in areas of unstable power and rugged environments.

**EtherNet/IP™**

**Rockwell  
Automation**



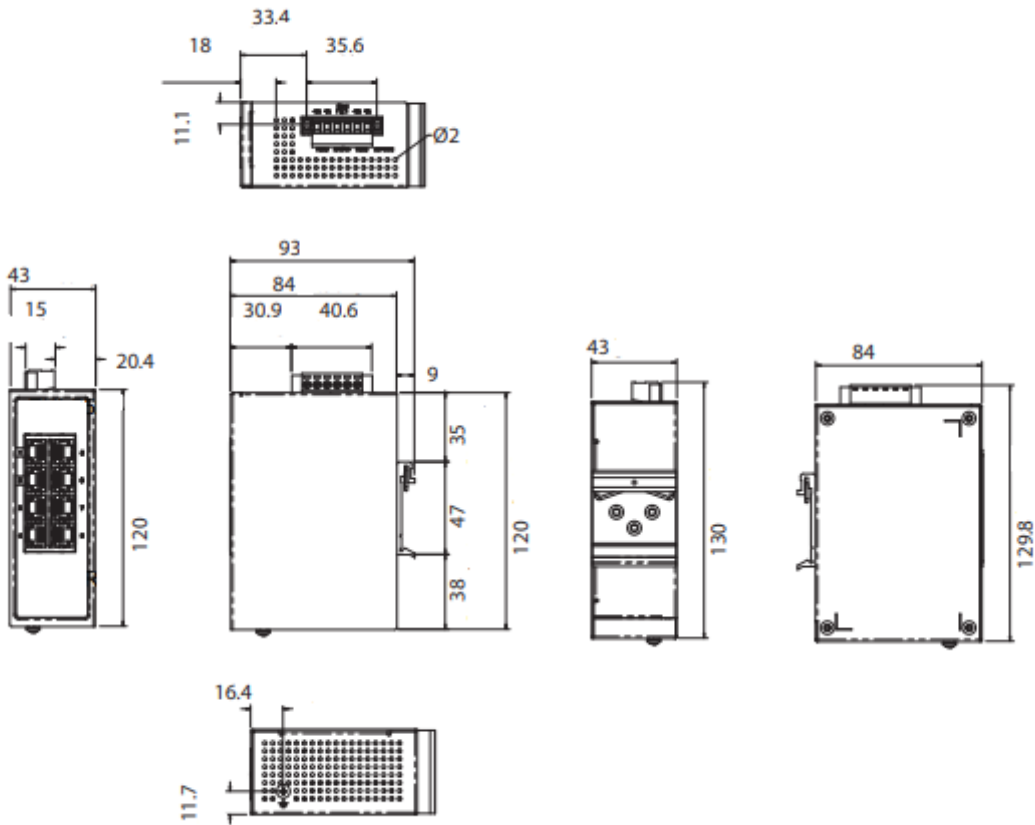
PLC

**korenix**  
A Beijer Electronics Group Company



JetLink 2108

# Dimension



# Specification

<b>Technology</b>	
<b>Standard</b>	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3x flow control and back-pressure. IEEE802.1p Class of Service IEEE802.1D Spanning Tree Protocol (STP) IEEE802.1w Rapid Spanning Tree Protocol (RSTP) IEEE802.1s Multiple Spanning Tree Protocol (MSTP) IEEE802.1p class of service IEEE802.1X Port based Network Access Control IEEE802.3AD Link Aggregation Protocol (LACP) IEEE802.3az Energy Efficient Ethernet IEEE802.1Q Quality of Service
<b>Performance</b>	
<b>Forwarding Technology</b>	Store and Forward Technology 1.6Gbps with Non-Blocking Switch Fabric
<b>System Throughput</b>	1.5MBytes shared memory for packet buffer with intelligent memory management unit for burst data traffic
<b>MAC Address</b>	8k
<b>Jumbo Frame</b>	9216Bytes
<b>Event Alarm</b>	Configurable relay alarm output for port or power events
<b>Class of Service</b>	4 queues for each port with 8:1 forwarding scheme for High/Low queue
<b>Quality of Service</b>	Supports Tag based packet priority, IPv4 ToS and IPv6 DSCP

<b>Interface</b>	
<b>Ethernet Port - RJ-45</b>	8 x 10/100 Base-TX
<b>Connectors</b>	10/100Base-TX: RJ-45 Terminal block: 4-Pin for redundant power input; 2-Pin for alarm relay output.
<b>Cables</b>	RJ-45 Connector: 4 pairs of Cat-5e UTP/STP cable Maximum link distance is 100meters.
<b>Diagnostic LEDs</b>	System: <ul style="list-style-type: none"> <li>- 2 x Power: On (Power On), Off (Power Off)</li> <li>- 1 x Alarm: On (Disconnect), Off (Connected)</li> <li>- 1 x Status: On (Loop), Off (Non-Loop)</li> </ul>
<b>Power Connector</b>	Removable Terminal Block: 12-48V power Input
<b>Power Requirement</b>	
<b>Power</b>	Removable Terminal Block: 12-48V power Input Power input with polarity reverse correction and over current protection.
<b>Power Consumption</b>	8 Watts / DC 24V
<b>Mechanical</b>	
<b>Enclosure Protection</b>	Ingress Protection code - 30
<b>Case</b>	Slim metal case
<b>Mounting</b>	DIN Rail
<b>Dimension</b>	84(D) X 43(W)x 120(H) mm (Without Din-rail kit)
<b>Weight</b>	0.6 kg without package
<b>Environmental</b>	
<b>Operating Temperature</b>	-40°C-75°C
<b>Operating Humidity</b>	10% - 95% non-condensing
<b>Storage Temperature</b>	-40°C-85°C
<b>Storage Humidity</b>	10%- 95% non-condensing
<b>Approvals</b>	
<b>EMI</b>	CE/EN 55032 class A, FCC Class A, EN 61000-3-2 :2014, EN 61000-3-3, EN 61000-6-4
<b>EMS</b>	CE/ EN 55024, EN 61000-6-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11
<b>Safety</b>	UL508, Class 1 Division 2, ATEX (Compliance)
<b>Shock</b>	IEC60068-2-27 (Compliance)
<b>Vibration</b>	IEC60068-2-6 (Compliance)
<b>Free Fall</b>	IEC60068-2-32 (Compliance)
<b>MTBF</b>	4,177,000 hours
<b>Ordering Information</b>	
<b>JetLink 2108</b>	Industrial 8FE Managed Ethernet Switch support EtherNet/IP
<b>Includes</b>	1 x JetLink2108 Industrial Managed Switch support EtherNet/IP 1 x DIN Rail Kit