

## Gigabit Layer 2 Managed Industrial Ethernet Switch 6 x 10/100M-TX 3 x 100/1000M-FX/SX SFP

## **ITS Equipment Series**

Model IE209



## Overview

**The VILINK IE209 is** a Gigabit Layer 2 Managed Industrial Optical Ethernet Switch with six 10/100M Ports and three 1000Mbps Fiber Optic SFP Ports for Uplink and Downlink communication and **extension link**. The IE209 is designed to meet the various industrial application needs and provide a wide range of industrial Ethernet network communication solutions, including linking multiple remote traffic intersections to the Traffic Operation Center. It is a very cost effective solution for connecting surveillance cameras and wireless communication devices. The IE209 also features powerful Web-based, CLI management capabilities, wide input range dual power supply and its support for DIN rail and panel mounting for installation in the industrial environment. "Fast Ring Protection" (FRP) is a proprietary technology that designed specifically for industrial applications, to provide a fast Ethernet ring protection and recovery within 20ms. From the management console, users can choose any port (normal Ethernet port or trunk port) to form an Ethernet ring for faster recovery and wider bandwidth.

Applications include ITS Intelligent Traffic Control System, Homeland Security, Metro & Railroad Systems, Oil & Gas Monitoring System, Utility Management, Premise Networks, Military Hardened applications or anything requiring high quality Data Transmission performance.

## Features

- 3 x 1000M SX SFP Ports
- 6 x 10/100M TX Ethernet Ports
- Fast Ring Protection (FRP), Spanning Tree Protocol (STP) and Rapid Spanning Tree Protocol (RSTP)
- Support 802.1Q 4K VLAN, port based, protocol based VLAN, Generic Attribute Registration Protocol (GARP), GARP VLAN Registration Protocol (GVRP)
- Static and Dynamic port aggregation
- Port rate limit, broadcast storm control, port mirroring, rich Quality of Service (QoS) features
- Blackhole MAC address filtering, static and dynamic MAC address management
- Dual power input for high reliability
- DIN rail or panel mount

## Ordering Information

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Model	Descriptions
IE209	Managed Layer 2 Gigabit Industrial Ethernet Switch, 3x1000M SFP LC, SM 1310nm, 40 Km, 6x10/100M-TX RJ45 , Dual 48 VDC *** Please Consult Factory for Additional Model Numbers***

Applications

- ITS Traffic Applications
- SCADA Networks
- Metro Networks
- Gas & Oil Fields Monitoring Applications
- Railroad Networks
- Military Applications
- Data Acquisition Applications



# Technical Specifications

## **ITS Equipment Series**

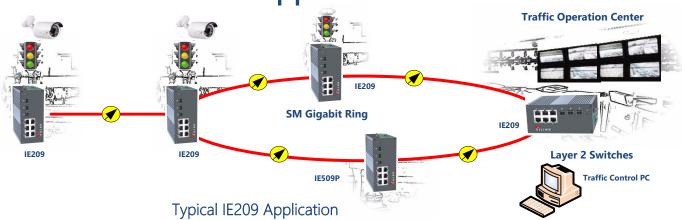
System: IEEE 802.3 at PoE Network Standard IEEE 802 3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3z Gigabit SX / LX IEEE 802.3x Flow Control IEEE 802.3ad Port trunk w/ LACP IEEE 802.1w Rapid spanning tree IEEE 802.1p Class of service IEEE 802.1Q VLAN Tagging IEEE 802.1x Port Authentication Network Management Web-based, CLI IGMP1/v2, GVRP, SNMPv1/v2c/v3, Protocols DHCP, TFTP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, SSH, SNMP inform, SNMP Server/Client MIB-II, Ethernet-Like MIB, P-BRIDGE MIB MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1,2,3,9 Non-Blocking Sotre-and-Forward Switching Architecure Priority Queues 4 Address Table 8K MAC w/ Auto Learning Packet Buffer size 2 Mbit VID 1 to 4094 @ Max 256 VLANs VLAN ID Range Bandwidth Management Static and Dynamic Ports Aggregation Protection/ Redundant Fast Ring Protection Recover <20ms Physical: 5.5" x 4.5" x 2.5" Dimension Dual Input 36~72VDC@1.8Amp Power

#### Fiber Interface: SX Ports 3 Ports Data Rate 1000 Mbps Connector SFP (LC) Distances 20KM@1310SM, 40KM@1310SM, 100KM@1550SM TX Interface: Ports 6 RJ45 Data Rate 10/100 Mbps TX Port Auto-MDI/MDIX Transmission Mode Half/Full Duplex Network Management: Interface Web Browser, CLI Port enable, Auto-Negotiation, Port Configuration Full and Half Duplex mode, Flow Control Enable, Bandwidth Control VLAN Port-Based / 802.1Q Tagged Based Generic Attribute Registration Link Aggregation Supports IEEE 802.3ad LACP Data Traffic Control Port rate limit, broadcast control, mirroring and QoS Console Port RS-232 – RJ45 Connector **Environment:** -34° C to +74°C Operating -40° C to +85°C Storage

98% Non-Condensing

## Application

Humidity



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