



## Industrial 5-Port Gigabit Din-Rail Switch

IGS-1005

### FEATURES

- 5 Gigabit Ethernet ports
- 6KV Surge protection to avoid damage of the switch and connected devices
- Power redundancy by providing Dual-DC power inputs to ensure stable and reliable network service
- P-fail relay with alarm and notification when an event of power failure occurs
- Wide operating temperature range of -20° ~+70° C (-4° ~+158° F)
- Guaranteed long distance to 200 meters
- Supports QoS 802.1p for video & voice traffic priority
- Flexible deployment with DIN-Rail mounting kit and wall-mount feature
- IP30-rated, fanless rugged industrial design for harsh environments

### OVERVIEW

The EDIMAX IGS-1005 Industrial 5-Port Gigabit Din-Rail Switch comes with high-speed connections and for enduring, reliable, flexible industrial network deployment. Supporting the redundancy power input, P-fail relay, 6KV surge protection features, the IGS-1005 protects the system with uninterrupted data transmission and damage to ensure the network connection reliability.

The IGS-1005 is designed with long range guaranteed 200 meters, hardware 802.1q QoS, 802. IP30-rating metal housing, DIN-rail/wall-mounted hole, and wide operating temperatures from -20° (-4°F) up to 70°C (158°F). It offers an easy efficient data transfer, plug-and-play, flexible-deployment, cost-effective, energy-efficient solution for various harsh industrial networks, such as automotive, factory automation, oil and gas, mining, military, transportation, substation, energy, and outdoor applications of railways, roads, tunnels, and smart cities, city surveillance, and traffic monitoring.

### Industrial Hardened Design for Durable Performance Network

With industrial hardened design, the IGS-1005 IP30-rated housing can operate across a wide range of temperatures and is equipped with 6KV lightning surge and power protection. It increases the geographic range for possible deployments and eliminates hidden costs with a longer product life cycle.

### Power Redundancy for Stable and Reliable Network Service

The industrial switch supports power redundancy with two power inputs to eliminate unexpected risks and ensure stable and reliable network service quality.

### Long Range Guaranteed 200 Meters for Flexible Deployment

While general Ethernet switches have a distance restriction of 100 meters (328ft.), the IGS-1005 long-range features provides extended the data delivery distance to 200 meters (656 ft.) at 10Mbps full-duplex operation on a per-port basis. As a result, it's ideal for long-distance applications such as IP cameras, VoIP phones and PoE-enabled IoT devices at remote locations.

### IEEE 802.1p QoS for Improved Traffic Efficiency

Supports 802.1p QoS for ensuring first priority for voice and video traffic for reduced package loss, lower latency and jitter on the network.

APPLICATION DIAGRAM

For Harsh Environments in IIoT and Smart City



— Gigabit Fast Ethernet  
 — PoE Gigabit PoE Fast Ethernet

— Long Range Fast Ethernet  
 — PoE Long Range PoE Fast Ethernet

INDUSTRIAL SERIES



**IGS-1005**  
 Industrial 5-Port  
 Gigabit Switch



**IGS-1105P**  
 Industrial 5-Port  
 Gigabit PoE+ Switch  
 with 1 SPF Port



**IGS-1210P**  
 Industrial 10-Port  
 Gigabit PoE+ Switch  
 with 2 SPF Ports

## SPECIFICATIONS

HARDWARE	
Port	5 x RJ-45 10/100/1000Base-T Gigabit Ports
Connector	Removable 6-pin Terminal Block (Pin1/2 for Power 1, Pin 3/4 for P-Fail (Power Failure Alarm Relay), Pin 5/6 for Power 2) Grounding Point with Screw
LED Indicators	Per Port: Link/Act Per Unit: PWR1, PWR2, P-Fail
Power Input	External Power Supply – Power Input: 12V~48VDC, 2.5A (Terminal Block) – Redundant Power Input: 12~48VDC, 2.5A (Terminal Block)
Mounting	DIN-rail Mount (DIN-rail Mount Kit Included) / Wall Mount
Housing	Metal, IP30-rated
Fan	Fanless
Dimensions	127.5(H) x 30(D) x 83.6(W) mm
Weight	387g
PERFORMANCE	
Switching Capacity	10Gbps
MAC Address	2K
Buffer Memory	2Mb
Jumbo Frame	9KB
Transmission Method	Store and Forward
Filtering/Forwarding Rates	Max. 7.44Mpps 1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps 10Mbps port – 14,880pps
Advanced Feature	IEEE 802.1p Quality of Service (QoS) Long Range Guaranteed 200 Meters at 10Mbps
OTHERS	
Protection	Reverse Polarity Overload Current 6KV Surge per RJ45 Port
MTBF	>1,000,000 hours @25°C (Mean Time Between Failure)
Standard	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.1p QoS (Quality of Service) IEEE 802.3x Full-duplex and flow control IEEE 802.3az Energy efficient Ethernet
Environmental Condition	Temperature: Operating: -20~70°C (-4~158°F) Storage: -40~85°C (-40~185°F) Humidity: Operating : 10~95% (NonCondensing) Storage : 10~95% (NonCondensing)
Certification	CE, FCC, BSMI

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.  
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