Network Managed Industrial 8-port 10/100/1000BASE-T + 2-port 100/1000BASE-X SFP Ethernet Switch

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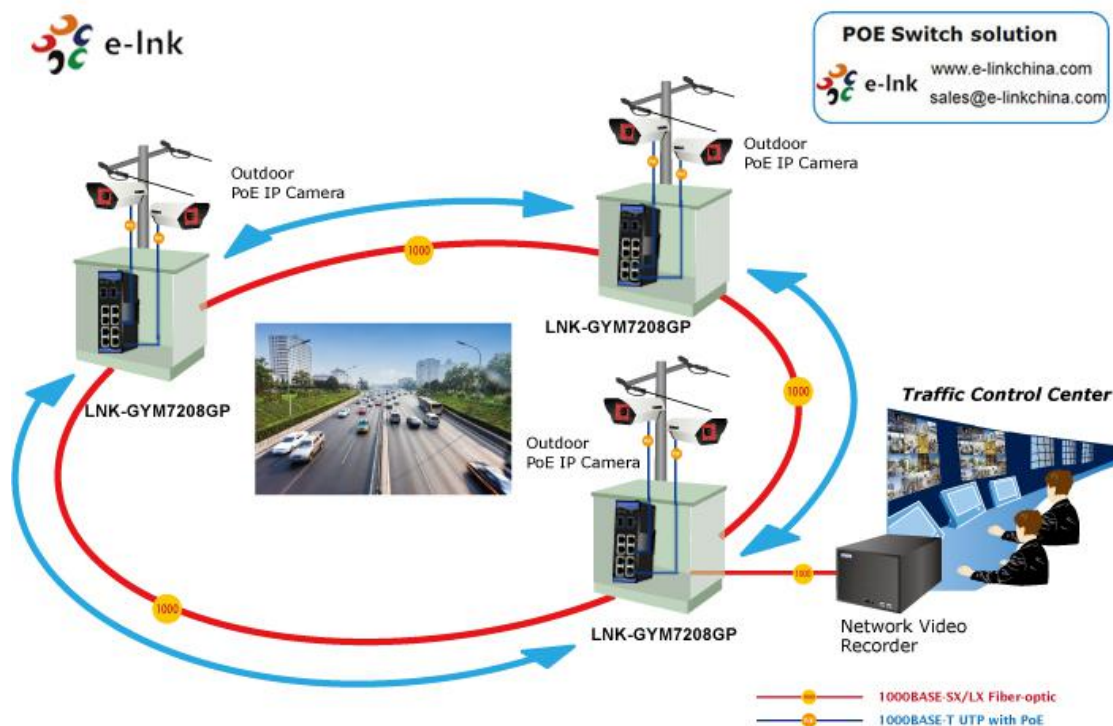

Model: LNK-GYM7208G-SFP Series

Overview

LNK-GYM7208G-SFP Serie is a new generation industrial Managed switch with 8-Port 10/100/1000Base-TX and 2-Port 100/1000Base-X SFP that provide stable and reliable Ethernet transmission offered by E-link, with high quality design and reliability. It is positioning in the broadband network intervention market, to offer and realize Ethernet data exchange, convergence and long-distance optical transmission with efficient bandwidth and reliable fiber optic network solutions for users. The industrial switch complies with various characteristics such as mini size, no fan, low power consumption, high reliability and stability, and easy to maintain.

With dual power input design, LNK-GYM7208G-SFP can offer redundant mechanisms for critical applications that need always-on connections. It can also operate either at standard operating temperature range -40 to 80°C. Housed in rugged DIN rail or wall mountable IP40 enclosures, these switches are perfect choices for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.
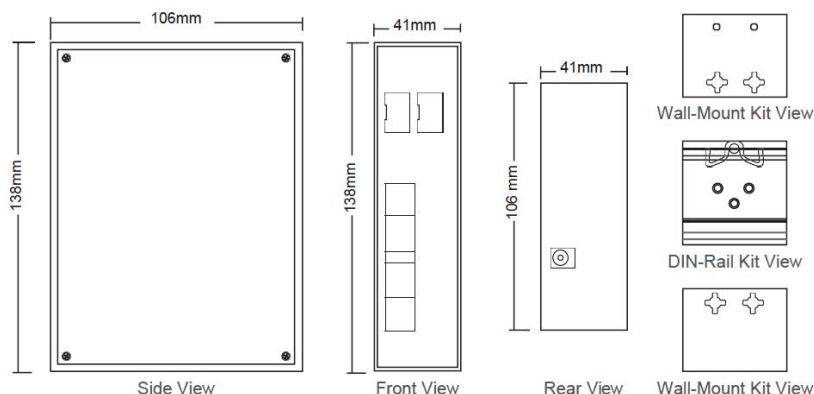
Features

- 8x10/100/1000Base-TX RJ45 ports, 2x100/1000Base-X SFP ports
- 100/1000BASE-X mini-GBIC/SFP slots for SFP type auto detection
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Provide SC/FC/ST/LC fiber port (optional), support single/dual fiber transmission
- Support 16K bytes giant frame, compatible with various extension protocol
- 8K MAC address table
- Support IEEE802.3az energy efficient Ethernet technology
- Support IPv6 Protocol
- Electric 4KV surge protection, easy to use in outdoor environment
- Complete status indicator, working state at a glance
- Power input polarity protection design, no worry about wrong operation
- Metal case, no fan design
- Installation method: DIN trail /Wall mounting
- DHCP RFC 1541, 1542

Application

Dimension

Technical Indexes

Physical Port	
RJ45 port and speed	8x10/100/1000Base-TX
Fiber port and speed	2x1000Base-FX SFP (Dual Mode, Auto Detection)
Parameters	
Ethernet standards	IEEE 802.1x authentication IEEE 802.1q-Tagging IEEE 802.1p-Qeueing Layer 2 QoS/CoS with min. 4 Queues per Port IEEE 802.1w RSTP rapid spanning tree IEEE 802.3ad Trunking IEEE 802.3x flow control IEEE 802.1D Spanning Tree IEEE802.1ab LLDP
Packet buffer	4Mbits
Maximum packet length	Up to 1532Bytes
MAC address table	8K
Transmission mode	Store and Forward(full/half duplex mode)
Exchange property	Delay time: < 7μs Backplane bandwidth: 1Gbps Packet forwarding rate: 148810 (64Byte)
LED Indicator	
Power	Connect-always
RJ45	Link/Act: connect-always; data exchange-twinkle Speed light: 100Mbps-always; 10Mbps-twinkle
Fiber	Link/Act: connect-always; data exchange-twinkle
Power Information	

Power access mode	Phoenix terminal, DC seat
Redundant power input	DC 9-56V / DC 5V
Overload protection	Yes
Power reverse	Support
Power consumption	Full-load<15W
Physical Property	
Protection grade	IP40 aluminum case
Cooling mode	Natural cooling, no fan design
Dimensions	138mm x 106mm x 41mm (L x W x H)
Installation mode	DIN trail/wall-mountable
Weight	600g
Working Environment	
Operating Temperature	-40℃~80℃
Operating Humidity	5%~90% non-condensing
Storage Temperature	-40℃~80℃
Warranty	
MTBF	500,000 hours
Defects Liability Period	5 year warranty, lifetime technical support
Certification Standard	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1
Software	
Software Features	Redundant network: STP/RSTP
	Multicast: IGMP Snooping V1/V2
	VLAN: IEEE 802.1Q 4K VLAN, QINQ
	Link Aggregation: manual
	Management Function: CLI/WEB/SNMP
	Diagnostic Maintenance: Port mirroring, Ping
	Alarm management: 1 way relay alarm output, RMON, SNMP Trap
	Security: DHCP Snooping, User hierarchical management

| | Data control Port-based ingress/egress speed limit, Full duplex IEEE 802.3x, half duplex back-pressure flow control. |
| | Broadcast storm suppression, Unknown-Multicast suppression and Unknown-Unicast suppression |

Ordering Information

Model	Description
LNK-GYM7208G-SFP	Managed 8-Port 10/100/1000Base-T + 2-Port 100/1000Base-X SFP Ethernet Switch
SFP Options	► SFP option. Please select your SFP on our SFP Options Page (Industrial SFP).
	► SFP module is to be purchased separately.
Mounting Options	► Default DIN-Rail Bracket installed, Wall Mount Bracket is included.
Power Options	►24W/1A 24VDC DIN-Rail Power Supply. Open Wire for Terminal Block.
	► Power Supply is to be purchased separately.