

Network Managed Industrial 4-port 10/100/1000BASE-T + 2-port 100/1000BASE-X SFP Ethernet Switch



Model: LNK-GYM7204G-SFP Series

Overview

LNK-GYM7204G-SFP Serie is a new generation industrial Managed switch with 4-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.

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With dual power input design, LNK-GYM7204G-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

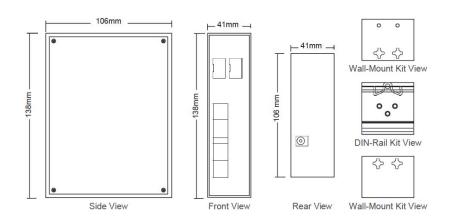
- 4x10/100/1000Base-TX RJ45 ports, 2x100/1000Base-X SFP ports
- 100/1000BASE-X mini-GBIC/SFP slots for SFP type auto detection
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Provide SC/FC/ST/LC fiber port (optional), support single/dual fiber transmission
- Support 16K bytes giant 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	4x10/100/1000Base-TX
Fiber port and speed	2x100/1000Base-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,
	IEEE 802.1ab LLDP
Packet buffer	4Mbits
Maximum packet	Up to 1532Bytes
length	
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	

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Redundant power DC 9-56V input Vericoal protection Overload protection Yes Power reverse Support Power reverse Support 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 Humidity 5%-90% non-condensing Storage Temperature -40°C-80°C Warranty - MTBF 500,000 hours Defects Liability 5 year warranty, lifetime technical support Period - Cotification Standard - EMI FCC Part15 Subpart B Class A, EN 55022 Class A ENS EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-3(RS), EN61000-4-3(RS), EN61000-4-3(RS), EN61000-4-6(CS), EN61000-4-3(RS), EN61000-4-6(CS), EN61000-4-11 Collision IEC60068-2-6 Safety grade EN6008-2-6 Safety grade EN6008-2-6 Safety grad	Power access mode	Phoenix terminal, DC seat
Overload protection Yes Power reverse Support Power consumption Full-load<15W	Redundant power	DC 9-56V
Power reverse Support Power consumption Full-load<15W	input	
Power consumption Full-load<15W Physical Property Protection grade IP40 aluminum case Cooling mode Natural cooling, no fan design Dimensions Dimensions 138mm x 106mm x 41mm (L x W x H) Installation mode Installation mode DIN trail/wall-mountable Weight Weight 600g Working Environment Operating -40°C~80°C -40°C~80°C Temperature -40°C~80°C	Overload protection	Yes
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Cooling modeNatural cooling, no fan designDimensions138mm x 106mm x 41mm (L x W x H)Installation modeDIN trail/wall-mountableWeight600gWorking EnvironmentOperating-40°C~80°CTemperature-40°C~80°COperating Humidity5%-90% non-condensingStorage Temperature-40°C~80°CWarranty500,000 hoursDefects Liability5 year warranty, lifetime technical supportPeriod5Certification StandardEMIFCC Part15 Subpart B Class A, EN 55022 Class AEMSEN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-5(Surge), EN61000-4-5(Surge), EN61000-4-11CollisionIEC60068-2-27DropIEC60068-2-32VibrationIEC60068-2-6Safety gradeEN6950-1Software FeaturesRedundant network: STP/RSTP Mutticast: IGMP Snooping V1/V2VLAN: IEEE 802.1Q 4K VLAN, QINQLink Aggregation: manual Management Function: CL/WEB/SNMPDiagnostic Maintenance: Port mirroring, Ping	Physical Property	
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Software Features VLAN: IEEE 802.1Q 4K VLAN, QINQ Link Aggregation: manual Management Function: CLI/WEB/SNMP Diagnostic Maintenance: Port mirroring, Ping	Software Features	Redundant network: STP/RSTP
Software Features Link Aggregation: manual Management Function: CLI/WEB/SNMP Diagnostic Maintenance: Port mirroring, Ping		Multicast: IGMP Snooping V1/V2
Management Function: CLI/WEB/SNMP Diagnostic Maintenance: Port mirroring, Ping		VLAN: IEEE 802.1Q 4K VLAN, QINQ
Diagnostic Maintenance: Port mirroring, Ping		Link Aggregation: manual
		Management Function: CLI/WEB/SNMP
Alarm management: 1 way relay alarm output, RMON, SNMP Trap		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-GYM7204G-SFP	Managed 4-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 Ontions	Default DIN-Rail Bracket installed, Wall Mount Bracket is
Mounting Options	included.
Power Options	► 24W/1A 24VDC DIN-Rail Power Supply. Open Wire for Terminal
	Block.
	Power Supply is to be purchased separately.