

# Gronet GIS-7208

Industrial 8-port 10/100/1000T 802.3bt HPoE + 2-port 100/1000X SFP Managed Ethernet Switch

## Features

- ▶ 100/1000BASE-X mini-GBIC/SFP slots for SFP type auto detection
- ▶ Supports HPoE power up to 90 watts for 8-Port PoE port, total PoE Power Budget up to 480 watts maximum
- ▶ Support 16K bytes giant frame, compatible with various extension protocol
- ▶ Support IEEE802.3az energy efficient Ethernet technology, 8K MAC address table
- ▶ IPv6 Protocol, Electric 4KV surge protection
- ▶ 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-Rail /Wall mounting

## GIS-7208



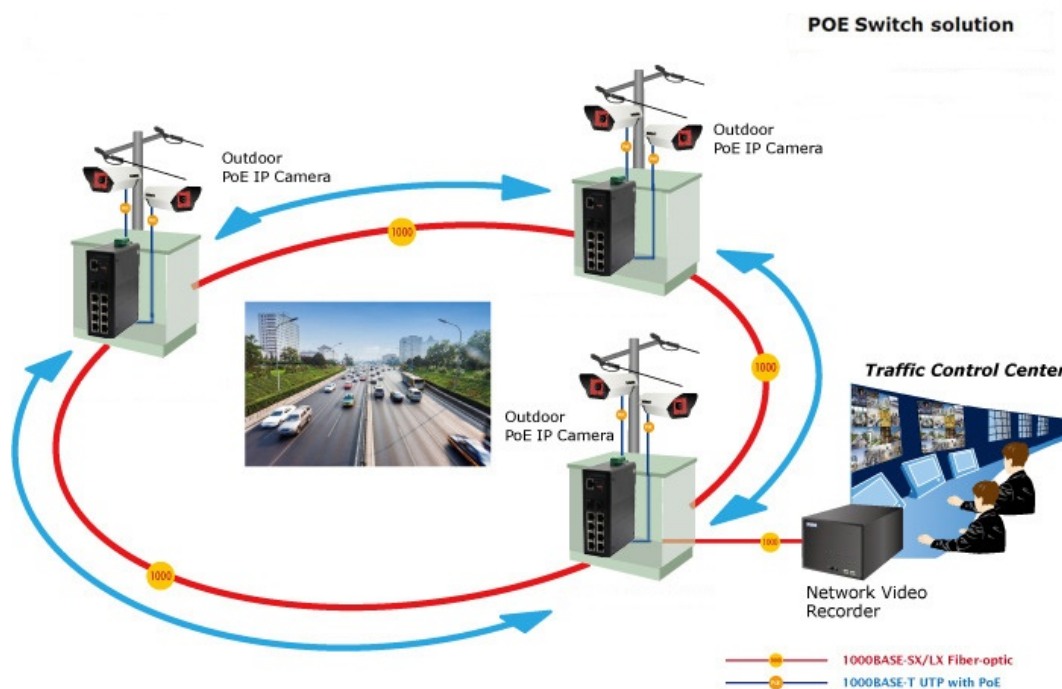
## Overview

GIS-7208 Series a new generation industrial Managed switch with 8-Port 10/100/1000Base-T 802.3bt PoE+ (HPoE) 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, GIS-7208 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

many military and utility market applications where environmental conditions exceed commercial product environments, such as industrial networking, intelligent transportation systems (ITS) and are also suitable fo

# Application



# Technical Indexes

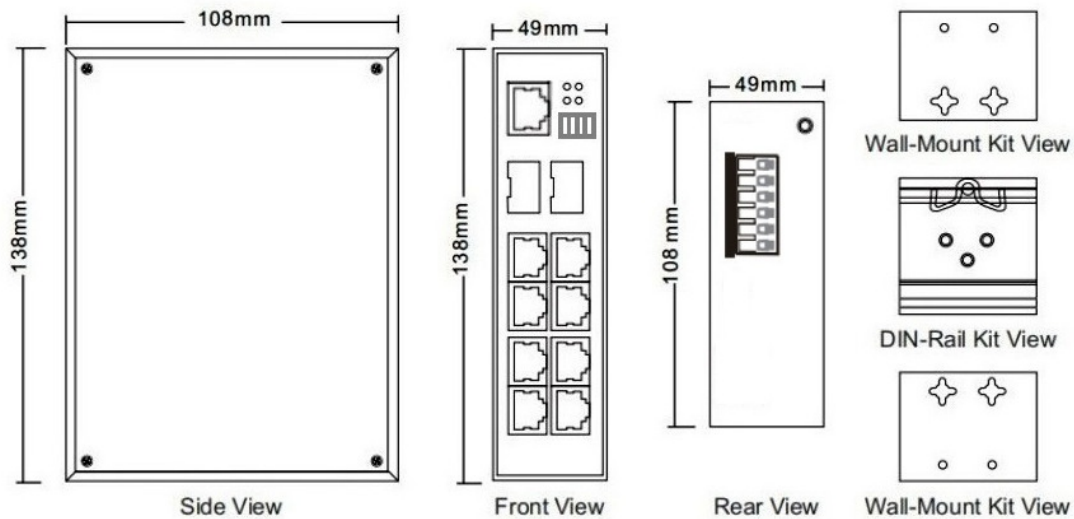
<b>Physical Port</b>	
RJ45 port and speed	8x10/100/1000Base-T 802.3bt PoE++
Fiber port and speed	2x100/1000Base-FX SFP (Dual Mode, Auto Detection)
<b>Parameters</b>	
Ethernet standards	IEEE 802.1x authentication IEEE 802.1q-Tagging IEEE 802.1p-Queueing Layer 2 QoS/CoS with min. 4 Queues per Port IEEE 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	16K
Transmission mode	Store and Forward (full/half duplex mode)
Exchange property	Delay time: < 7μs Backplane bandwidth: 20Gbps Packet forwarding rate: 14.88Mpps
<b>PoE</b>	
PoE Standard	8 x IEEE 802.3af/at/bt HPOE
Power budget	Max. PoE output power budget 90W for single PoE port Total PoE Power Budget up to 480 watts maximum

Lightning protection The Industrial Switch provides contact discharge of  $\pm 8\text{KV}$  DC and air discharge of  $\pm 15\text{KV}$  DC for Ethernet ESD protection. It also supports  $\pm 4\text{KV}$  surge immunity to improve product stability and protects users' networks from devastating ESD attacks, making sure the flow of operation does not fluctuate.

<b>DIP Switch</b>		
<b>DIP</b>	<b>State</b>	<b>Description</b>
#1	ON	RSTP Disabled
	OFF	RSTP Enable
#2	ON	Port VLAN Enable
	OFF	Port VLAN Disable
#3	ON	SFP Port is 100M
	OFF	SFP Port 100M/1000M
#4	N/A	Function Reserve
<b>LED Indicator</b>		
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	
<b>Power Information</b>		
Power access mode	Phoenix terminal	
Redundant power input	DC 48-57V	
Overload protection	Yes	
Power reverse	Support	
Power consumption	Full-load<15W (Not use PoE)	
<b>Physical Property</b>		
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	
<b>Working Environment</b>		
Operating Temperature	-40°C~80°C	
Operating Humidity	5%~90% non-condensing	
Storage Temperature	-40°C~80°C	
<b>Warranty</b>		
MTBF	100,000 hours	
Defects Liability Period	5-year warranty, lifetime technical support	
<b>Certification Standard</b>		
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A	
EMS	EN61000-4-2(ESD), EN61000-4-5(Surge), EN61000-4-3(RS), EN61000-4-6(CS), EN61000-4-4(EFT), EN61000-4-8, EN61000-4-11	

Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety grade	EN60950-1
<b>Software</b>	
<b>Software Features</b>	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

## Dimension



**Ordering Information**

<b>Model</b>	<b>Description</b>
GIS-7208	Industrial 8-port 10/100/1000T 802.3bt HPoE + 2-port 100/1000X SFP Managed 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	▶ 480W 48VDC DIN-Rail Power Supply. Open Wire for Terminal Block.
	▶ Power Supply is to be purchased separately.