

Network Transmission

SIL 3100P-SFP
SIL 3204P-SFP
SIL 3208P-SFP

Industrial Gigabit PoE+ Media Converter/Switches



SIL 3100P-SFP
1 + 1 Industrial Gigabit PoE+ Media Converter

SIL 3204P-SFP
4 + 2 Industrial Gigabit PoE+ Ethernet Switch

SIL 3208P-SFP
8 + 2 Industrial Gigabit PoE+ Ethernet Switch

OVERVIEW

SilverNet Industrial Gigabit PoE+ Media converter and fibre switches are reliable, high performance, high specification and cost effective. These un-managed industrial switches are suitable for network operations in challenging environments.

The un-managed switches require no configuration and instantly operate as soon as you power them up. They can be installed on DIN rail or wall mounted via the supplied bracket, allowing greater flexibility.

The SIL 3100P-SFP is an industrial gigabit PoE+ media Converter with one 10/100/1000Mbps RJ45 port with PoE+ (30w) capability and one 100/1000Mbps SFP (Fibre) uplink port

The SIL 3204P-SFP is an industrial Gigabit PoE+ ethernet switch with four 10/100/1000Mbps RJ45 ports with PoE+ (30w) capabilities and two 100/1000Mbps SFP (Fibre) uplink ports.

The SIL 3208P-SFP is an industrial gigabit PoE+ ethernet switch with eight 10/100/1000Mbps RJ45 ports with PoE+ (30w) capabilities and two 10/1000 SFP (Fibre) uplink ports.

SilverNet industrial gigabit PoE+ ethernet switches are fully compliant with the IEEE802.3af/at standard, providing Power-Over-Ethernet over twisted pair CAT 5 / CAT 6 cables. The fibre optics ports feature a modular SFP slot for any kind of MSA-compliant pluggable 1.25Gbps SFP Transceiver.

Features

- 1,4 or 8 x 10/100/1000Base-T
- 1 or 2 x 1000Base-FX SFP slots
- Up to 20Gbps bandwidth
- IEEE803.af/at compliant
- RJ45 supports auto MDI/MDI-X function
- Auto negotiation speed, half/full duplex
- Store and forward
- <10µs time delay
- MAC Address size up to 16Kbit
- Wide range power design (12~56VDC)
- Operating temperature (-40°C ~+85°C)
- Resettable fuse to protect against overcurrent
- Reverse Polarity protection
- DIN Rail or wall mountable
- EFT protection for power line
- Ethernet ESD protection
- IP40 Protection
- Rugged

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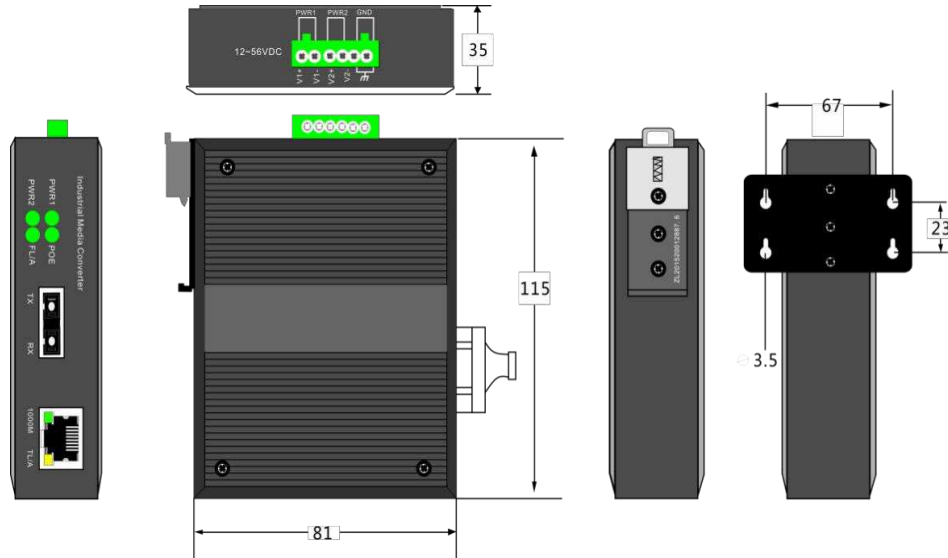
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Technical Specifications

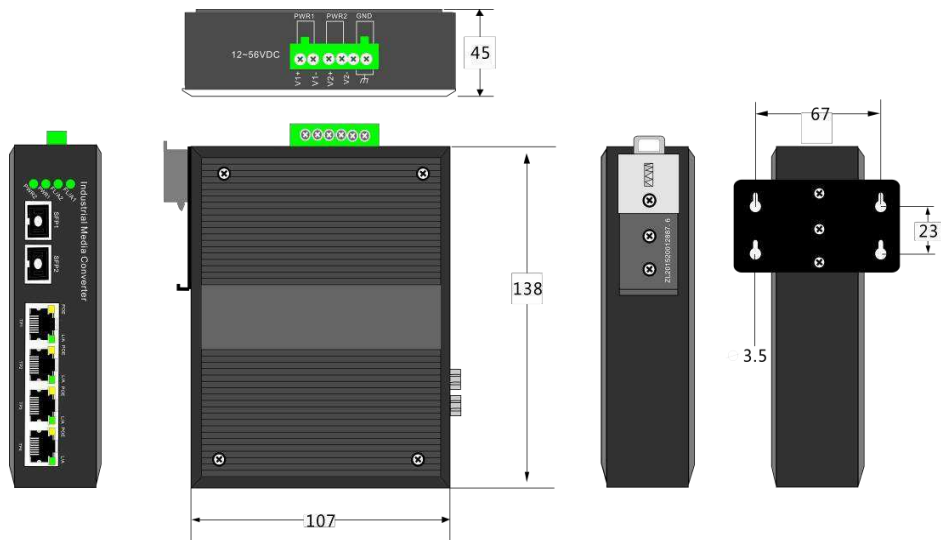
Part No.	SIL 3100P-SFP	SIL 3204P-SFP	SIL 3208-SFP
Ports			
Total number of ports	2 ports	6 ports	10 ports
Gigabit Ethernet	1 port	4 ports	8 ports
Gigabit Fibre	1 SFP	2 SFP	
Number of PoE ports	1 port	4 ports	8 ports
Max output per port	30W		
Performance			
Switch bandwidth	4Gbps	10Gbps	20Gbps
MAC Address size	1Kbit	8Kbit	16Kbit
Processing type	Store and Forward		
Time delay	<10µs		
Jumbo Frames	1632bytes	10Kbytes	
Packet buffer space	1Mbit	2Mbit	
Power			
Power input	12~56VDC, Redundant		
Power consumption (Excluding PoE)	5W (Excluding PoE)	7W (Excluding PoE)	8W (Excluding PoE)
Standards			
Standards	IEEE.802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.31d, IEEE802.3ab, IEEE802.3af/at		
EMC	CE		
EMI	FCC Part 15 Class A		
EMS	IEC 61000-4-2 (ESD): Level 4 (8K/15K) IEC 61000-4-3 (RS): Level 3 (10V/m) IEC 61000-4-4 (EFT): Level 3 (1V/2V) IEC 61000-4-5 (surge): Level 3 (4KV/2KV) IEC 61000-4-6 (RF coupling): (10V/m) IEC61000-4-8 (Power Frequency Magnetic Field):Level 4 (30A/m)		
Shock	IEC 60068-2-27		
Freefall	IEC 60068-2-32 0.5m		
Vibration	IEC 60068-2-6		
Railway Traffic	EN50121-4		
Physical			
Dimensions and weight	Dimensions: 115 x 81 x 35mm Weight: 0.30kg	Dimensions: 138 x 107 x 45mm Weight: 0.48kg	Dimensions: 138 x 107 x 45mm Weight: 0.48kg
Humidity	IP40 Protection, Aluminium Alloy		
	DIN Rail, Wall mountable		
Environment			
Operating Temperature	-40~+85°C (Storage -40~+95°C)		
Humidity	5-95% (non-condensing)		

Dimension Diagrams

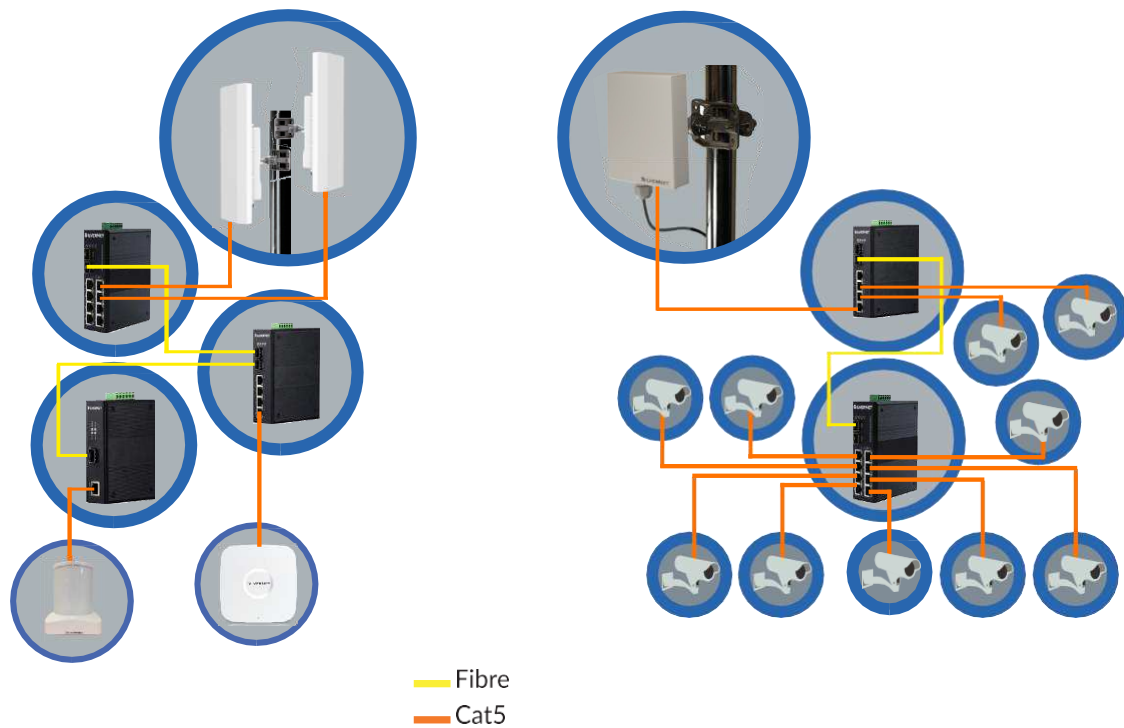
SIL 3100P-SFP



SIL 3204P-SFP & SIL 3208P-SFP



Typical Applications



Industrial Fibre Switches

Part Code	Description
SIL 3100P SFP	10/100/1000M POE, one SFP slot, Excluding Power supply
SIL 3204P SFP	10/100/1000M 2Gx4GE POE, two SFP slot, Excluding Power Supply
SIL 3208P SFP	10/100/1000M 2Gx8GE POE, two SFP slot, Excluding Power Supply

Power Supplies

Part Code	Description
SIL MDR-60-48 (48V 1.25A)	60W 48V 1.25A Industrial Din Rail Power Supply
SIL DR-120-48 (48V 2.5A)	120W 48V 2.5A Industrial Din Rail Power Supply
SIL NDR-240-48 (48V 5A)	240W 48V 5A Industrial Din Rail Power Supply