

Series 7 Unmanaged Network Switch

SIL 73204P
SIL 73208P

Industrial Gigabit PoE+ Unmanaged Switches



Buffer 2M	Industrial -40°C / 75°C	DIN Rail IP40	Fibre-optic 	Fibre-optic 100FX 1000X	PoE 802.3at 802.3af
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OVERVIEW

SilverNet Industrial Gigabit PoE+ unmanaged switches are high performance, high specification and cost effective. These reliable switches are suitable for network operations in challenging industrial environments.

No configuration needed - these switches operate instantly once you power them up. They can be installed on DIN rails or wall mounted via the supplied bracket, allowing for greater flexibility.

Two options are available, firstly the SIL 73204P is an Industrial Gigabit PoE+ ethernet Switch with four 10/100/1000Mbps RJ45 ports, PoE+ (30w) capabilities and two 100/1000Mbps SFP (Fibre) uplink ports.

Alternatively, the SIL 73208P is an Industrial Gigabit PoE+ ethernet Switch with eight 10/100/1000Mbps RJ45 ports, PoE+ (30w) capabilities and two 10/1000 SFP (Fibre) uplink ports.

These Switches offer an ideal solution for deployment in harsh environments thanks to their rugged industrial design and extended temperature range.

Fully compliant with the IEEE802.3af/at standard, these Switches provide Power-Over-Ethernet (minimum 48-56VDC input required) over twisted pair CAT 5 / CAT 6 cables. The included fibre optic ports feature a modular SFP slot for any kind of MSA-compliant pluggable 1.25Gbps SFP Transceiver.

Features

- 4 or 8 x 10/100/1000Base-T
- 2 x 1000Base-FX SFP slots
- 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 ~+75°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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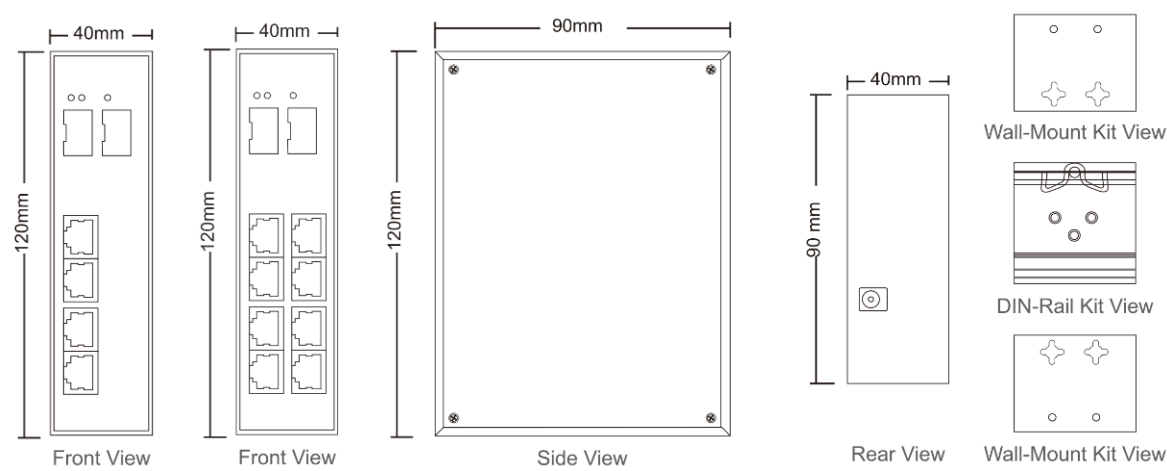
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Technical Specifications

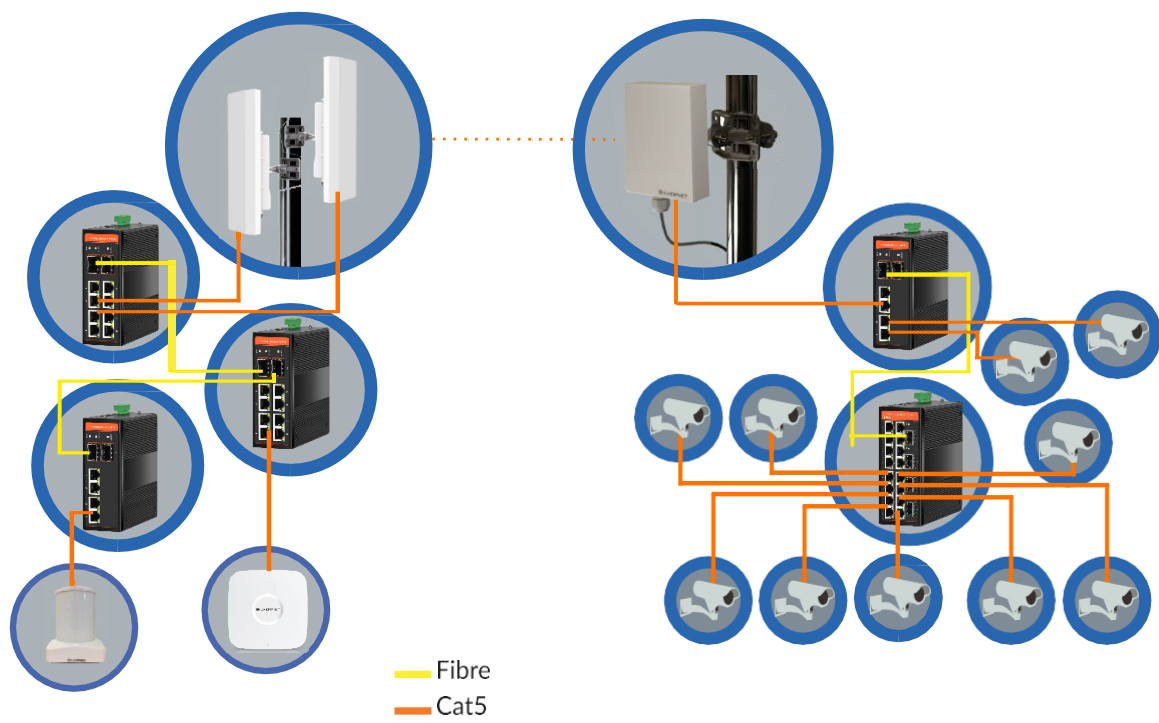
Part No.	SIL 73204P	SIL 73208P
Ports		
Total number of ports	6 ports	10 ports
Gigabit Ethernet	4 ports	8 ports
Gigabit Fibre	2 SFP	
Number of PoE ports	4 ports	8 ports
Max output per port	30W	
Performance		
Switch bandwidth	20Gbps	
MAC Address size	4K	
Processing type	Store and Forward	
Time delay	<10μs	
Jumbo Frames	10Kbytes	
Packet buffer space	2Mbit	
Power		
Power input	12~56VDC, Redundant	
Power consumption (Excluding PoE)	<15W (Excluding PoE)	
Standards		
Standards	IEEE.802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.31d, IEEE802.3ab, IEEE802.3af/at	
EMC	UKCA BS EN 55032:2015/A11:2020 UKCA BS EN IEC 61000-3-2:2019+A1:2021 UKCA BS EN 61000-3-3:2013/A2:2021 UKCA BS EN 55035:2017/A11:2020	
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)	
LVD	UKCA BS EN IEC 62368-1:2020+A11:2020	
ROHS	UKCA BS IEC 62321-1:2013, IEC 62321-3-1:2013 UKCA BS IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 UKCA BS IEC 62321-6:2015, IEC 62321-7-1:2015 UKCA BS IEC 62321-7-2:2017, IEC 62321-8:2017	
Shock	IEC 60068-2-27	
Freefall	IEC 60068-2-32 0.5m	
Vibration	IEC 60068-2-6	
Physical		
Dimensions and weight	Dimensions: 120 x 90 x 40mm Weight: 0.65kg	
Humidity	IP40 Protection, Aluminium Alloy	
	DIN Rail, Wall mountable	
Environment		
Operating Temperature	-40~+75°C (Storage -40~+85°C)	
Humidity	5-90% (non-condensing)	

Dimension Diagrams

SIL 73204P & SIL 73208P



Connection Applications



Part Numbers & Accessories

Series 7 Industrial Fibre Switches

Part Code	Description
SIL 73204P	10/100/1000M 2Gx4GE POE+, two SFP slot, Excluding Power Supply
SIL 73208P	10/100/1000M 2Gx8GE POE+, two SFP slot, Excluding Power Supply

Power Supplies

Part Code	Description
SIL NDR-120-48	120W 48V 2.5A Industrial Din Rail Power Supply
SIL NDR-240-48	240W 48V 5A Industrial Din Rail Power Supply

1Gbps Fibre Transmission

Part Code	Description
SIL-SFP0-01-25-X850-0-5D	1G Multimode 850nm SFP, 550m
SIL-SFP0-01-25-X131-10XD	1G Singlemode 1310nm SFP, 10km
SIL-SFP0-01-25-X131-40XD	1G Singlemode 1310nm SFP, 40km
SIL-SFP0-01-25-X155-80XD	1G Singlemode 1550nm SFP, 80km
1Gbps BiDi	
SIL-SFP0-01-25-B131-10XD	1G SM 1310nm TX FP 10km with DDM, 1550nm RX
SIL-SFP0-01-25-B155-10XD	1G SM 1550nm TX FP 10km with DDM, 1310nm RX
SIL-SFP0-01-25-B139-10XD	1G SM 1310nm TX FP 10km with DDM, 1490nm RX
SIL-SFP0-01-25-B149-10XD	1G SM 1490nm TX FP 10km with DDM, 1310nm RX
SIL-SFP0-01-25-B131-40XD	1G SM 1310nm TX DFB 40km with DDM, 1550nm RX
SIL-SFP0-01-25-B155-40XD	1G SM 1550nm TX DFB 40km with DDM, 1310nm RX
SFP to Ethernet	
SIL-SFP0-01-25-XXXT-0-1	1G RJ45 Copper SFP, 100m