# SILVERNET
## WIRELESS-NETWORK-SOLUTIONS

# Series 7 Unmanaged Network Switch

## SIL 73204P
## SIL 73208P

## Industrial Gigabit PoE+ Unmanaged Switches

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

## 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

Distributed By:

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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<br>UKCA BS EN IEC 61000-3-2:2019+A1:2021<br>UKCA BS EN 61000-3-3:2013/A2:2021<br>UKCA BS EN 55035:2017/A11:2020 | |
| EMI | FCC Part 15 Class A | |
| EMS | IEC 61000-4-2 (ESD): Level 4 (8K/15K)<br>IEC 61000-4-3 (RS): Level 3 (10V/m)<br>IEC 61000-4-4 (EFT): Level 3 (1V/2V)<br>IEC 61000-4-5 (surge): Level 3 (4KV/2KV)<br>IEC 61000-4-6 (RF coupling): (10V/m)<br>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<br>UKCA BS IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013<br>UKCA BS IEC 62321-6:2015, IEC 62321-7-1:2015<br>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<br>Weight: 0.65kg | |
| Humidity | IP40 Protection, Aluminium Alloy | |
| | DIN Rail, Wall mountable | |
| **Environment** | | |
| Operating Temperature | -40~+75℃  (Storage -40~+85℃) | |
| Humidity | 5-90% (non-condensing) | |

# Dimension Diagrams

## SIL 73204P & SIL 73208P



| 40mm | 40mm | 90mm | 40mm | Wall-Mount Kit View |
| --- | --- | --- | --- | --- |
| 120mm | 120mm | 120mm | 90 mm | DIN-Rail Kit View |
| Front View | Front View | Side View | Rear View | Wall-Mount Kit View |
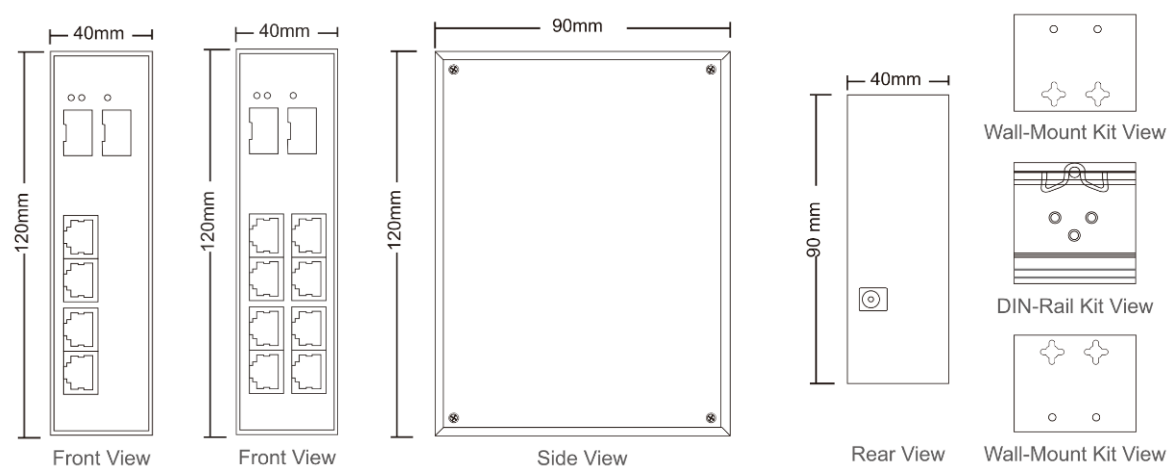
## Connection Applications



Fibre
Cat5

# SilverNet

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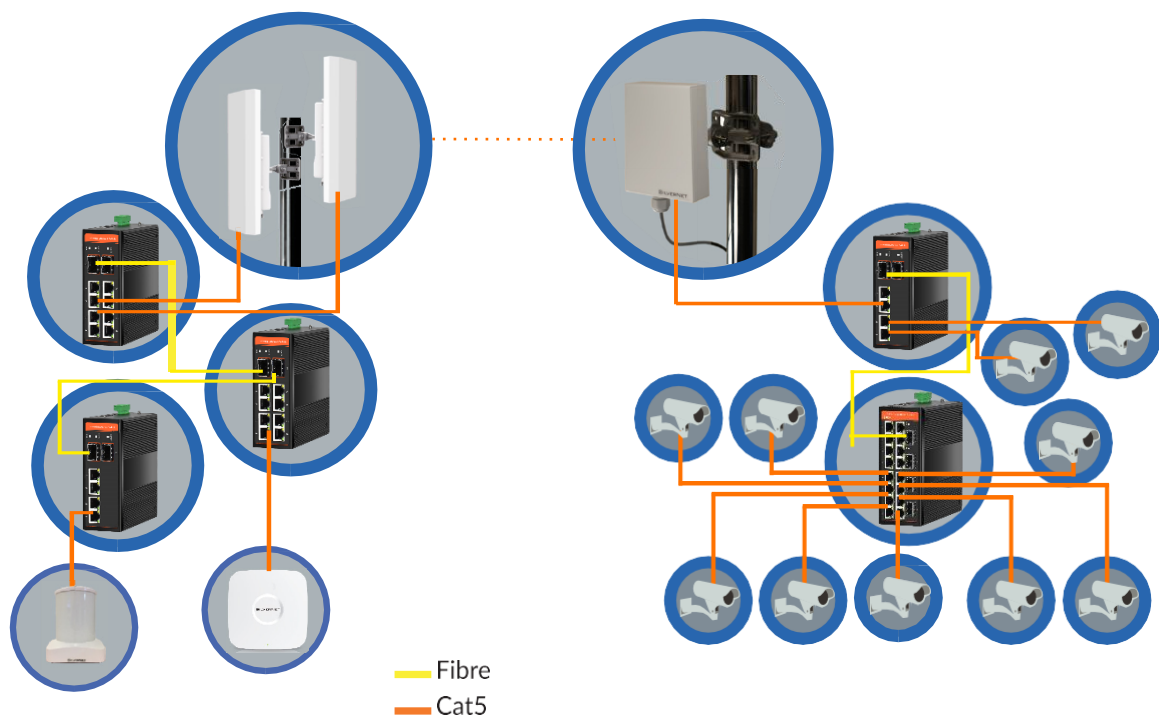
# Part Numbers & Accessories

## 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 |