

Series 7 Managed 10G Network Switch

SIL 73408MP-10G

Industrial Gigabit PoE+
Managed Switches



Management

SNMP

Management

GUI

ERPS



Industrial

-40°C / 75°C

Buffer

4M

DIN Rail

IP40

OVERVIEW

Long-lasting and durable, the SilverNet 73408MP-10G is a fully managed Layer 3 switch, designed for deployment in harsh industrial environments.

Featuring 8 x 10/100/1000Base-T ports and 4 x SFP+ 10Gb ports, this Switch provides ample connectivity options for a range of uses.

The Industrial Gigabit PoE+ Managed Switch boasts a dual input design, low power consumption, and high reliability. Additionally, it's fanless, which ensures quiet operation making it ideal for noise-sensitive environments.

The 73408MP-10G is a dependable solution for extending Ethernet over long distances using fibre daisy chaining.

This will simplify installation and reduce costs, as it eliminates the need for separate power supplies for IP video cameras and wireless access points.

Even in challenging environments and weather conditions, this rugged Switch can be relied upon. It features an extended temperature range, enabling it to operate reliably in unconditioned outdoor cabinets and other harsh industrial environments.

Fully compliant with the IEEE802.3af/at standard, the SilverNet Industrial Gigabit PoE+ Managed Switch provides power over Ethernet through twisted pair cables. Its fibre optic ports are equipped with modular SFP+ slots that support any MSA-compliant pluggable 10Gbps SFP+ transceiver.

Features

- 8 x 10/100/1000Base-T
 - 4 x 1G/10G SFP/SFP+ slots
 - 128Gbps Backplane Bandwidth
 - IEEE803.af/at compliant
 - RJ45 supports auto MDI/MDI-X function
 - Auto negotiation speed, half/full duplex
 - Store and forward
 - Max packet size: 10K bytes
 - MAC address size: 16K
- Wide range power design (9~56VDC)
 - 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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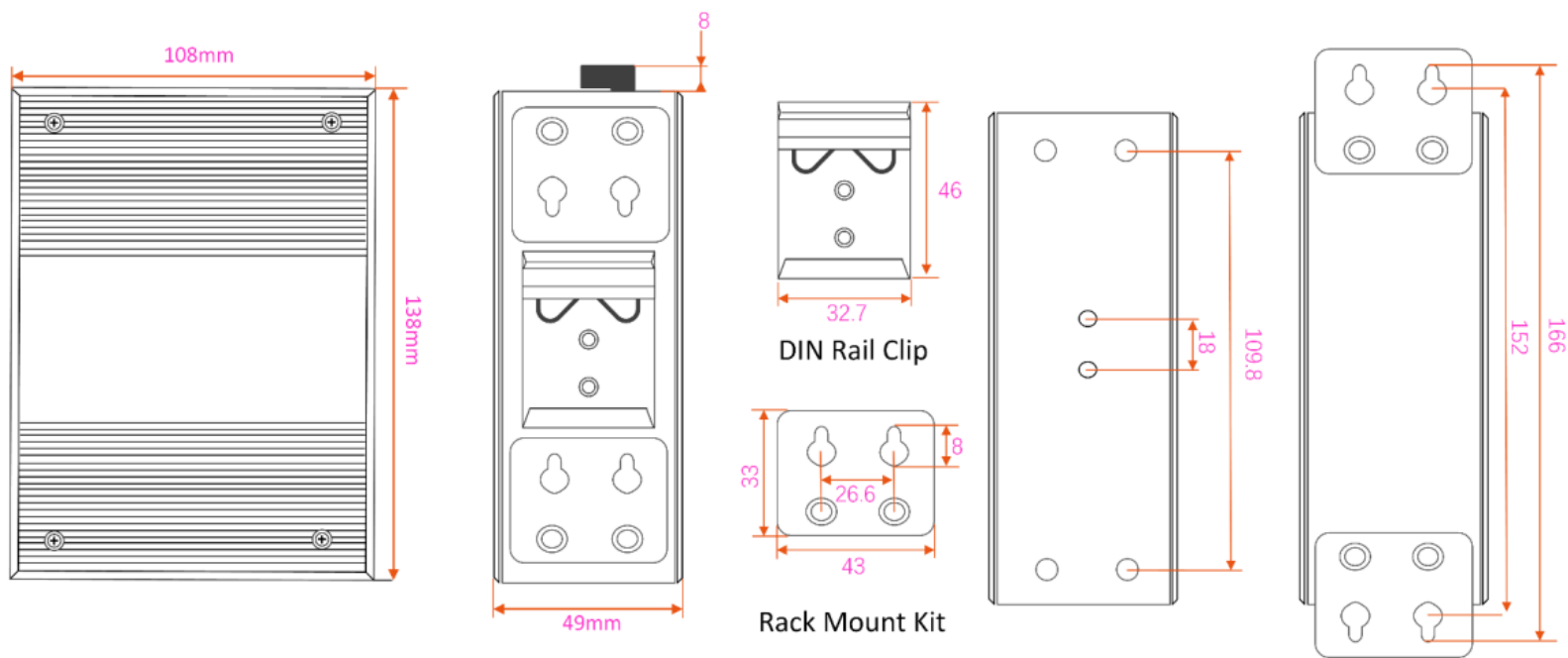
Technical Specifications

| | |
|-----------------------|---|
| Part No. | SIL 73408MP-10G |
| Ports | |
| Total number of ports | 12 |
| Gigabit Ethernet | 8 |
| Gigabit Fibre | 4 x 10Gbps |
| Number of PoE ports | 8 |
| Max output per port | 30W |
| Performance | |
| Switch Bandwidth | 128Gbps |
| MAC address size | 16K |
| Processing type | Store and Forward |
| Time delay | <7µs |
| Jumbo Frames | 10K bytes |
| Packet buffer space | 12Mbit |
| Power | |
| Power input | 9~56VDC, Redundant (2 Inputs Available) |
| Power consumption | 16W Max |
| Standards | |
| Standards | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab IEEE 802.3z, IEEE 802.3bz, IEEE 802.3ae IEEE 802.3x, IEEE 802.1D-2004 IEEE 802.1w, IEEE 802.1s IEEE 802.1p, IEEE 802.1Q IEEE 802.1X, IEEE 802.3ad |
| EMC/EMI/EMS | FCC Part15 Class A CE-EMC/LVD RoHS EN61000-4-2 (ESD):LEVEL 4 IEC 6100-4-2 (EFT):LEVEL 4 IEC 6100-4-2 (Surge): LEVEL 4 IEC 6100-4-2 (CS): LEVEL 3 IEC 61000-4-2(PFMP) : LEVEL 5 EN61000-4-3 (RS):LEVEL 4 |
| 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 | IEC60068-2-31 |
| Safety | EN 60950-1, UL 60950-1, CSA C22.2 No.60950-1, UL 508 |
| Physical | |
| Dimensions and weight | 138mm x 108mm x 49mm (L x W x H) ; 680g |
| Enclosure | IP40 Protection, Aluminium Alloy |
| Mounting | DIN Rail, Wall mountable |
| Environment | |
| Operating Temperature | -40~+75°C (Storage -40~+85°C) |
| Humidity | 5-90% (non-condensing) |

Technical Specifications

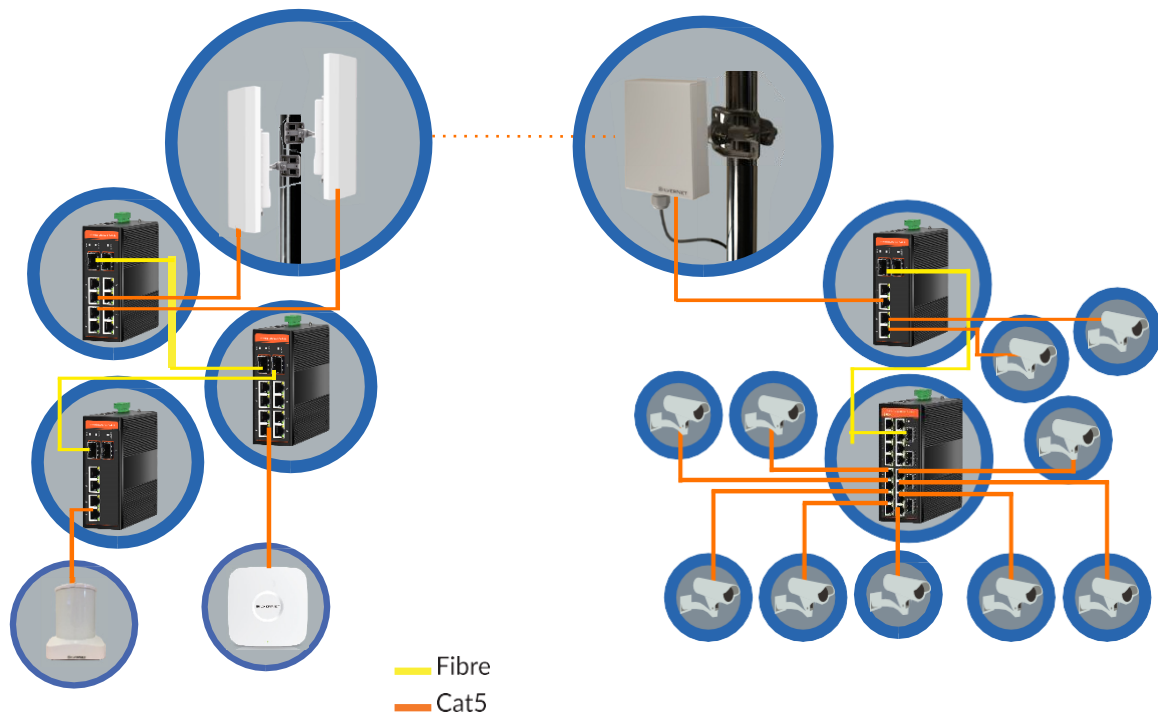
| | |
|------------------------|--|
| Part No. | SIL 73408MP-10G |
| Software Features | |
| Management Interface | CLI(Console/Telnet(RFC854)), WebUI(HTTPS), SNMPv3 |
| Management | ARP, Flow Control, DDM, DHCP Server/Client, IPv4/IPv6, LLDP, LLDP-MED, UDLD, Port Mirror, RMON, SNMPv1/v2c/v3, Syslog, Telnet |
| File Management | Firmware Upgrade/Backup, Dual Images, Configuration Download/Backup, Multiple Configuration, TFTP(RFC783), HTTP, UART |
| Management Access | Management VLAN, Management ACL(256) |
| Filter | 802.1Q, GMRP, GVRP, IGMP Snooping v1/v2/v3, IGMP Querier V2/V3 QinQ VLAN |
| Redundant Network | Link Aggregation, STP/RSTP/MSTP/ERPSv2, Auto Edge Port, BPDU Filtering, Self Loop Detection |
| VLAN | Support IEEE 802.1Q 4K VLAN, QINQ, Double VLAN, Voice LAN, Surveillance VLAN(Auto/Manual), Multicast VLAN Registration(MVR) |
| Time Management | Local, SNTP, NTP |
| Unicast Routing | OSPFv2, RIPv1/v2, Static Route |
| QOS | Support Queue Scheduling(WRR, WFQ, Strict Priority , Hybrid(WRR+SP or WFQ+SP); Priority Queue(8 queues/port); Class of Service(Port-based, 802.1p, IP TOS Precedence, IP DSCP), Trusted QoS, Rate Limitation |
| ACL Type | L2/L3/L4, MAC-based, IPv4-based, IPv6-based |
| Diagnostic Maintenance | Support port mirroring, Syslog, Ping |
| Security | Broadcast Storm Control, HTTPS/SSLv2v3,TLSv1 RADIUS, TACACS+,AAA SSHv1/v2,Support DHCP Snooping, Option 43/82, 802.1X security access, Support user hierarchical management, ACL access control list, Support DOS, port-based MAC filtering/binding, MAC whitelist |
| MIB | Ethernet-like MIB, MIB-II, MIB-I, Bridge MIB, Bridge MIB extensions, RMON MIB(1,2,3 & 9 groups, RFC2737 Entity, RFC2863 Interface Group, SNMP Community-MIB |

Dimension Diagrams



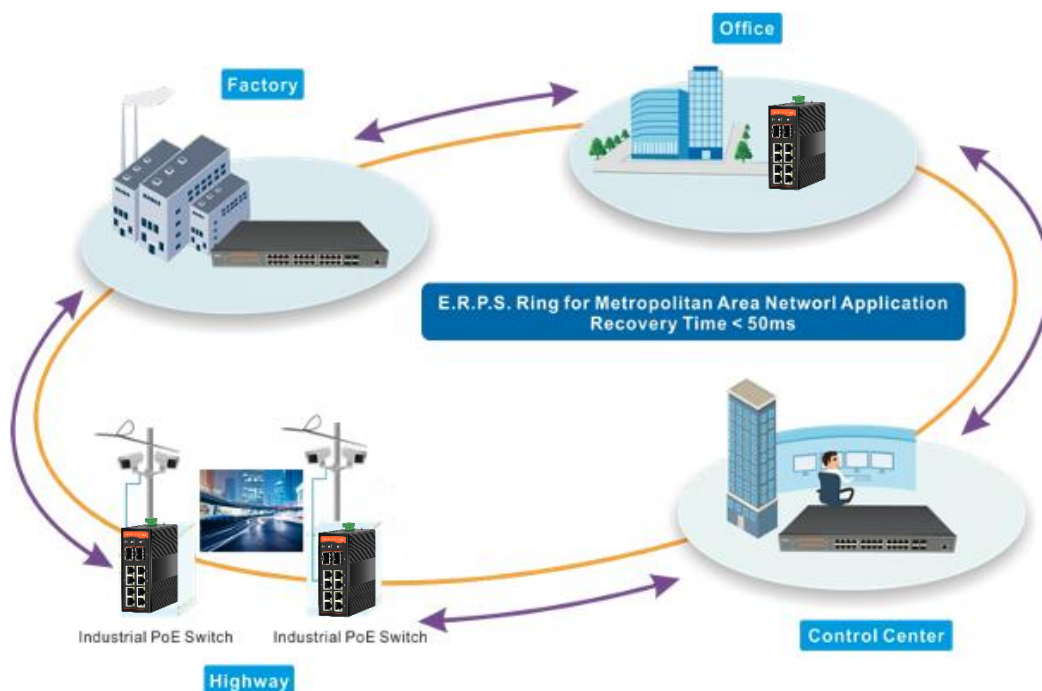
Typical Applications

Connection Applications



Redundant Ring

Fast Recovery for Critical Network Applications



Part Numbers & Accessories

Managed Fibre Switches

| Part Code | Description |
|--------------|--|
| SIL 73204MP | 10/100/1000M 2Gx4GE POE+, two SFP slot, Excluding Power Supply |
| SIL 73208MP | 10/100/1000M 2Gx8GE POE+, two SFP slot, Excluding Power Supply |
| SIL 73416MP | 10/100/1000M 4Gx16GE POE+, four SFP slot, Excluding Power Supply |
| SIL 73024MP | 10/100/1000M 24GE, 16 ports POE+, Excluding Power Supply |
| SIL 731612MP | 10/100/1000M 16GE, 12 SFP, 16 Port PoE+, Excluding Power Supply |

Power Supplies

| Part Code | Description |
|---------------------------|--|
| SIL NDR-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 |
| SIL NDR-480-48 (48V 10A) | 480W 48V 10A 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 |