

## POE-SW708GM-10G

Industrial 8-Port Full Gigabit L2+ Managed BT90W PoE++ Switch with 2\* 10G SFP+ Uplinks



## Outstanding Features

### L2+ MANAGED

- Supports VLAN, ERPS, STP/RSTP/MSTP, Link aggregation, IGMP snooping, port mirroring, QinQ.
- Management via WEB, CLI, or SNMP.

### Powerful Physical Interface

- Total 480W power with 4\* 90W PoE++ and 4\* 30W PoE+ ports.
- 2\* 10G SFP+ uplinks and 8\* Gigabit PoE ports.

### Reliability

- Redundant DC inputs (12–57V): 12–57V for Ethernet Switch Only, 44–57V for PoE mode.
- Relay Alarm for Switch Power Failure.
- Fast Ring with  $\leq 20\text{ms}$  self-healing.

### Industrial Design

- IP40 Metal shell & fanless design. Support DIN-rail installation.
- Wide working temperature  $-40^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ ).
- 6KV surge immunity and 8KV ESD protection.

## Specification

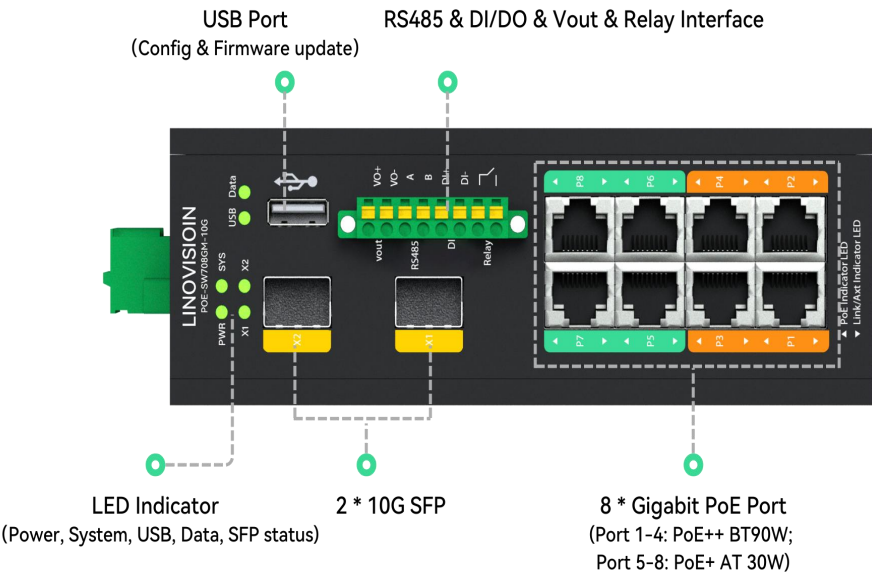
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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mechanical Specs</b>   |                                                                                                                                                                                                                 |
| Dimensions (W*H*D)        | 4.52x6.18x2.16"(115x157x55mm)                                                                                                                                                                                   |
| Weight                    | 2.46lb(1.117kg)                                                                                                                                                                                                 |
| Protection Rating         | IP40                                                                                                                                                                                                            |
| Material                  | metal                                                                                                                                                                                                           |
| Installation              | DIN-rail                                                                                                                                                                                                        |
| <b>Interfaces</b>         |                                                                                                                                                                                                                 |
| Power Supply              | Redundant Power Input<br>No-POE: 12-57V DC<br>POE: 44-57V DC                                                                                                                                                    |
| Ethernet Port             | 4* 10/100/1000Base-T PoE++ RJ-45(Auto-MDI/MDI-X)<br>4* 10/100/1000Base-T PoE+ RJ-45(Auto-MDI/MDI-X)<br>2* 1G/2.5G/10G SFP+ Slots                                                                                |
| Management port           | 1* RJ45 Console Port,1* USB2.0 for configuration and firmware update                                                                                                                                            |
| Data & Alarm channel      | 1 channel RS485<br>1 channel DI (digital input)<br>1 channel DO (relay)                                                                                                                                         |
| LED Indicator             | P: The device power on is normal<br>S: Device on normal operation<br>USB: USB drive is detected<br>ALM: Fault alarm<br>Ring: Ring network enable                                                                |
| Reset Button              | Pinhole reset button                                                                                                                                                                                            |
| Standard                  | IEEE 802.3,IEEE 802.3u,IEEE 802.3ab,IEEE 802.3z,IEEE 802.3ae,IEEE 802.3x,<br>IEEE 802.1D,IEEE 802.1w,IEEE 802.1Q, ITU-T G.8032,IEEE 802.1X,IEEE 802.1ab,<br>IEEE 802.3ad,IEEE 802.3af,IEEE 802.3at,IEEE 802.3bt |
| <b>POE</b>                |                                                                                                                                                                                                                 |
| Power Consumption         | 480W                                                                                                                                                                                                            |
| PoE Outputs               | Port 1-4: IEEE 802.3bt PoE++ 90W (Pin 1/2/4/5+, 3/6/7/8-)<br>Port 5-8: IEEE 802.3af/at PoE+ 30W (Pin 1/2+, 3/6-)                                                                                                |
| <b>Switching Features</b> |                                                                                                                                                                                                                 |
| Switching Capacity        | 56Gbps                                                                                                                                                                                                          |
| Packet Forwarding Rate    | 83.328Mpps                                                                                                                                                                                                      |
| MAC Address Table         | 16K                                                                                                                                                                                                             |
| Packet Buffer             | 12Mbit                                                                                                                                                                                                          |
| Jumbo Frame               | 10KBytes                                                                                                                                                                                                        |
| VLAN                      | 4K                                                                                                                                                                                                              |
| Forwarding delay          | <5us                                                                                                                                                                                                            |
| Watchdog                  | Support                                                                                                                                                                                                         |
| <b>Environment</b>        |                                                                                                                                                                                                                 |
| Operating Temperature     | -40°F to 140°F(-40°C to 60°C)                                                                                                                                                                                   |
| Storage Temperature       | -40°F to 185°F(-40°C to 85°C)                                                                                                                                                                                   |
| Operating Humidity        | 10% to 90% non-condensing                                                                                                                                                                                       |
| Storage Humidity          | 5% to 95% non-condensing                                                                                                                                                                                        |
| Surge Protection          | Differential mode ±4KV, Common mode ±6KV                                                                                                                                                                        |
| Electrostatic Standard    | Contact ±8KV, Air ±15KV                                                                                                                                                                                         |
| MTBF                      | >100,000 hours                                                                                                                                                                                                  |
| Certification             | CCC/CE/UKCA/RoHS/REACH/FCC                                                                                                                                                                                      |

## Specification

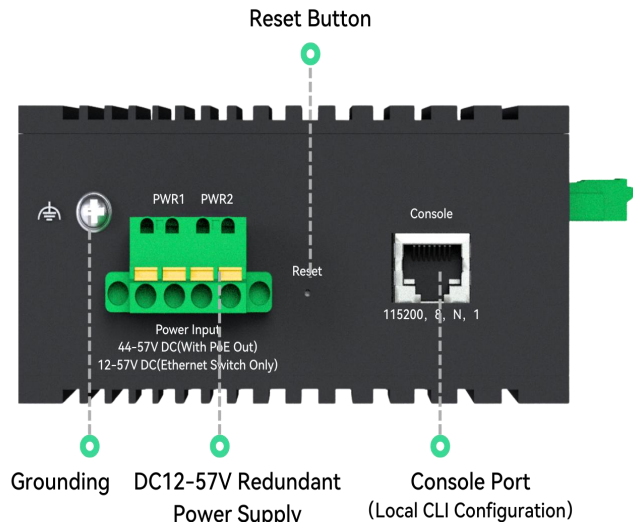
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| <b>L3 Features</b>   |                                                                                                                                               |
| DHCP                 | DHCP Server<br>DHCP Client<br>DHCP Snooping                                                                                                   |
| Route                | IPV4/IPV6 Static Routing                                                                                                                      |
| ARP                  | ARP table aging                                                                                                                               |
| <b>L2 Features</b>   |                                                                                                                                               |
| VLAN                 | 802.1Q tag-based VLAN<br>Port-based VLAN<br>MAC-based VLAN<br>Protocol-based VLAN<br>IP-based VLAN<br>Port-based QinQ/Vlan-based QinQ<br>GVRP |
| Port Aggregation     | IEEE 802.3ad Link Aggregation Control Protocol<br>Static Aggregation                                                                          |
| Loop Protection      | STP/RSTP/MSTP<br>ERPS                                                                                                                         |
| IGMP                 | IGMP Snooping                                                                                                                                 |
| LLDP                 | LLDP (Link Layer Discovery Protocol)                                                                                                          |
| <b>QoS</b>           |                                                                                                                                               |
| Class of Services    | Policy-based QoS                                                                                                                              |
| Scheduling           | SP/WRR Queue Scheduling Algorithm                                                                                                             |
| Bandwidth Management | Ingress/Egress Port-based Rate-limit                                                                                                          |
| <b>Security</b>      |                                                                                                                                               |
| ACL                  | IP-based ACL<br>MAC-based ACL<br>User defined ACL                                                                                             |
| IEEE 802.1X          | Port access control<br>Mac-address access control<br>RADIUS server                                                                            |
| IP source guard      | IP Port/MAC binding                                                                                                                           |
| ARP-check            | ARP-check and ARP packet filtering for illegal users                                                                                          |
| Access control       | Telnet/SSH/HTTP/HTTPS user access control                                                                                                     |
| <b>Management</b>    |                                                                                                                                               |
| Web GUI              | Easy Browser-based Device Configuration, HTTP/HTTPS                                                                                           |
| SNMP                 | SNMP V1/V2c/V3                                                                                                                                |
| CLI management       | Console/Telnet command line management                                                                                                        |
| File Management      | HTTP/FTP/TFTP                                                                                                                                 |

Interface

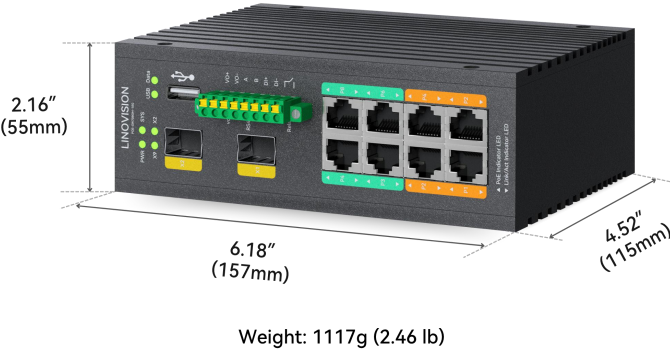
Front View



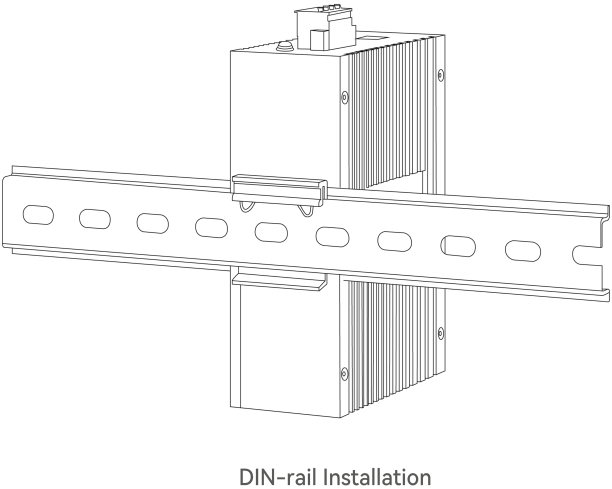
Side View



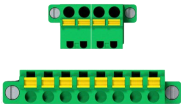
## Dimension



## Installation



## Package Contents



*\*Disclaimer: Technical specifications may subject to change without prior notice*