

LINOVISION

POE-SW324GM-4BT

User Manual
Updated on January 3, 2025

Important Safeguards & Warning

Attention:
Please read the following safeguards and warnings carefully before using the product in order to avoid damage and loss.

Note:
Do not expose the device to soot, high humidity or dust. Doing so may cause fire or electric shock.
Do not install the device in direct sunlight as it may cause overheating and failure.
Installation of the units should be via the compatible rack mount or securely on a flat surface.
Do not place the device on carpet to or around the unit. Doing so may cause overheating, failure or fire.
Do not place stack or place objects on the unit.
This unit contains 0 user serviceable parts, servicing should only be performed by approved technicians.

Warning:
Do not use a power supply other than the provided manufacture power supply. Failure to do so may cause unit failure and/or damage.

Special Announcements:
This manual is reference only.
All the designs and software here are subject to change without prior written notice.

Product Overview

Introduction:
LINOVISION POE-SW324GM-4BT is a versatile Layer 2 managed switch designed for power-intensive and high-performance networking environments. It features 24 Gigabit ports, including 4 IEEE 802.3bt PoE+ ports providing up to 90W per port and 20 PoE+ ports supporting 30W per port, enabling seamless integration of power-hungry devices like PTZ cameras, high-power wireless access points, and VoIP phones. Its 4-gigabit RJ45/SFP combo uplink ports ensure reliable and flexible connections to core networks. Its advanced management features, including VLAN, QoS, Link Aggregation, and Spanning Tree Protocol, ensure optimal traffic flow and network efficiency. Enhanced security measures like ACLs, port-based authentication, and storm control protect against unauthorized access and data breaches.

Built for durability and efficiency, the switch operates around the clock with energy-saving components housed in robust metal casing. By combining power delivery and data transmission into a single device, it minimizes cabling complexity and reduces installation costs. Its versatile functionality and robust performance offer exceptional value, ensuring a stable and efficient network environment.

Common features:

1. Up to 24 PoE Ports to PD network device.
2. Complies with IEEE 802.3af/at/bt power over ethernet.
3. Port 1~4 support up to 90 watts each, while port 5~24 support up to 30 watts each.
4. 370-watt PoE budget, Total power Budget 400W.
5. Support Vlan/QOS/LACP/DHCP/IGMP/RSTP/MSTP/ERPS etc.
6. Support IPv4/IPv6 Static routing.
7. Support SSH, ACL, AAA, 802.1X, RADIUS, TACACS+, etc.
8. Support WEB/CLI/SNMP/SSH for Flexible Operation.

Typical Application:

Switch installation:

- Mounting kits installation: Shows the switch being mounted onto a wall or rack.
- Chassis installation: Shows the chassis being connected to the RJ45 interface.
- Switch connection installation: Shows the SFP slot being connected to an optical fiber.
- Power installation: Shows the power switch being connected to the ground terminal and the 100~240VAC power source.

Panel View

Appendix Technical specification

| Model | POE-SW324GM-4BT |
|---|---|
| Hardware Specifications | |
| Connector | 24*10/100/1000Base-T RJ45 4*1000 Base-TX RJ45/SFP Combo |
| PoE Port | 4*PoE+, up to 90W per port (Port 1~4) 20*PoE+, up to 30W per port (Port 5~24) |
| LED Indicators | Power Indicator: PWR(green), 1000M/PoE Indicator: 1~26(green) 100M/ACT Indicator: 1~26(yellow) System Indicator: SYS(green) |
| Switch Architecture | Store and Forward |
| Backplane bandwidth | 64Gbps |
| Packet forwarding rate | 47.62Mpps |
| MAC address | 16k |
| Power requirement | AC 100~240V 50/60Hz |
| ESD Protection | 6kV ESD |
| Dimension(W×D×H) | 440mm x 290mm x 44.5mm(17.32in*11.42in*1.75in) |
| Weight | 9.92lb(4.5kg) |
| Power over Ethernet (PoE) Specifications | |
| PoE Standard | IEEE802.3 af/at/bt |
| PoE Supply Type | 1/2/4/5(+), 3/6/7/8(-) and 1/2(+), 3/6(-) |
| PoE Power Output | Max. 90W |
| PoE Power Budget | Total 370W |
| Environment specification | Operating temperature: 14°F~113°F (-10°C~45°C) Operating humidity: 5%~95% Storage humidity: 5%~95% |
| Safety | FCC Part15 Class A, CE, RoHS |

Management Specification 1

| POE-SW324GM-4BT | |
|--------------------------|---|
| Layer 2 Functions | 802.1Q tagged-based VLAN, 802.1ad Q-in-Q tunneling Up to 256 VLAN groups, out of 4094 VLAN IDs Voice VLAN, Protocol VLAN, Private VLAN (Protected port) |
| VLAN | IEEE 802.3ad LACP and static trunk Supports 8 groups of 8-port trunk |
| Link Aggregation | STP, IEEE 802.1D Spanning Tree Protocol RSTP, IEEE 802.1w Rapid Spanning Tree Protocol MSTP, IEEE 802.1s Multiple Spanning Tree Protocol |
| Spanning Tree Protocol | IGMP (v2/v3) snooping IGMP querier Up to 256 multicast groups |
| IGMP Snooping | MLD (v1/v2) snooping, up to 256 multicast groups |
| MLD Snooping | PSE system configuration PSE port configuration PSE timer configuration |
| PoE Management | 8 mapping ID to 8 level priority queues - Port number - 802.1p priority - 802.1Q VLAN tag - DSCP field in IP packet Traffic classification based, strict priority and WRR |
| QoS | Access Control List |
| Access Control List | IPv4/IPv6 IP-based ACL / MAC-based ACL |
| Security | IEEE 802.1X port-based authentication Built-in RADIUS client to co-operate with RADIUS server RADIUS / TACACS+ user access authentication IP-MAC port binding, MAC learning, Static MAC address DHCP Snooping and DHCP Option82 STP BPDU guard, BPDU filtering and BPDU forwarding DoS attack prevention, ARP inspection, IP source guard |

Management Specification 2

| POE-SW324GM-4BT | |
|------------------------------|--|
| Management Functions | Web browser / Telnet / SNMP v1, v2c, v3 Firmware upgrade by HTTP / TFTP protocol through Ethernet Remote / Local Syslog, System log, LLDP protocol, SNTP |
| Basic Management Interfaces | SSH, SSL, SNMP |
| Secure Management Interfaces | RFC 2115 MIB-I, RFC 1215 Generic Traps, RFC 1493 Bridge MIB RFC 2674 Bridge MIB Extensions, RFC 2737 Entity MIB (Version 2) RFC 2819 RMON (1, 2, 3, 9), RFC 2863 Interface Group MIB RFC 3635 Ethernet-like MIB |
| SNMP MIBs | RFC 2115 MIB-I, RFC 1215 Generic Traps, RFC 1493 Bridge MIB RFC 2674 Bridge MIB Extensions, RFC 2737 Entity MIB (Version 2) RFC 2819 RMON (1, 2, 3, 9), RFC 2863 Interface Group MIB RFC 3635 Ethernet-like MIB |
| Standards Conformance | FCC Part 15 Class A, CE |
| Regulation Compliance | IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/100BASE-FX IEEE 802.3x Gigabit SX/LX IEEE 802.3ab Gigabit 1000T IEEE 802.3x flow control and back pressure IEEE 802.3ad port trunk with LACP IEEE 802.1D Spanning Tree protocol IEEE 802.1w Rapid Spanning Tree protocol IEEE 802.1s Multiple Spanning Tree protocol IEEE 802.1p Class of Service IEEE 802.1Q VLAN tagging IEEE 802.1x Port Authentication Network Control IEEE 802.1ab LLDP RFC 7281 IP, RFC 793 TFTP RFC 7204 HTTP RFC 1112 IGMP version 1 RFC 2236 IGMP version 2 RFC 3376 IGMP version 3 RFC 2710 MLD version 1 RFC 3810 MLD version 2 |
| Standards Compliance | |

Industrial Switch WEB Login

Login The Industrial Switch Steps:

- Step1. In the normal operation of the device.connect the PC to the switch RJ45 Port by Network cables.
- Step2. Manually change the computer IP address to 192.169.1.X (X is 2~254, except 200).Subnet mask is 255.255.255.0.
- Step3. Open the computer's IE.type 192.168.1.200 in the address box,hit the enter key.
- Step4. Enter the default users name and password admin and admin then click login.
- Step5. Entered the switch web management interface successfully then start to configure the switch.

WARRANTY CARD
INFORMATION FILLED BY THE CUSTOMER

| | | |
|--------------|---------------|----------|
| PRODUCT NAME | PRODUCT MODE | LINKMAN |
| CUSTOMER | ADDRESS | ZIP CODE |
| TEL | FAX | |
| E-MAIL | SHIPPING DATE | |

Quality Certificate
Checked By: _____
Date: _____

This warranty card is only valid as it is filled in and got the product repaired