

POE-SWMR324G25BTF-720

24 Ports Full 2.5G L3 Managed PoE Switch with 6 10G SFP Uplinks, 24 BT90W PoE Ports, Total PoE Budget 720W



Outstanding Features

- **L3 MANAGED POE SWITCH** - Supports L3 management functions like VLAN, QoS, L3 ACL, IPV6, Routing and Link Aggregation, as well as automatic ONVIF cameras discovery. Device management through WEB GUI, Telnet, SSH, CLI, SNMP, and MQTT Cloud ([RemoteMonit Cloud](#))
- **24 Ports Full 2.5G PoE Ports** - Provides 24*10M/100M/1000M/2.5Gbps PoE++ ports, compliant with IEEE802.3af/at/bt.
- **90W PoE++ Output** - Port 1-24 support BT 90W output, sufficient power for all IEEE 802.3af/at/bt PoE devices in the market, including NAS, WiFi7 AP connections, IP cameras, PTZ cameras, Wireless AP, VoIP phone, PoE light, PoE monitor, etc. (Total PoE budget is 720W)
- **10G Uplinks** - Equipped with 6 x 10G SFP+ uplinks for ultra-fast backbone connectivity, high-bandwidth aggregation, and long-distance fiber transmission. (SFP module is purchased separately, [SFP-10G-RJ45](#))
- **Top Safety for all PoE and non-PoE Devices** - With standard PoE design, it follows 4 steps of PoE power up process (PD Detection -> PoE Power Classification negotiation -> Start up -> Power ON), it supplies proper power to 802.3af/at/bt devices to prevent overloading, and do not provide power to non-PoE devices to avoid damaging.
- **Solid Design** - Full metal enclosure, 17.32" x 12.99" x 1.73" (440mm x 330mm x 44mm), support Desktop or wall mounted installation, 6kV surge protection, Ideal for home, commercial, enterprise, residential, hotel, office, NAS/WiFi7 AP connections and campus surveillance networks.

Hardware Specifications

Model	POE-SWMR324G25BTF-720
Interface	Interface 24*10M/100M/1000M/2.5Gbps RJ45 Ports 6*1000M/2.5G/10Gbps SFP+ Slots 1*Console Port
Standard	IEEE802.3, IEEE802.3ae, IEEE802.3a, IEEE802.1ab, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.1q, IEEE802.1p, IEEE802.1x, IEEE802.1s, IEEE802.1d, IEEE802.1w, IEEE802.3ad, IEEE802.3af, IEEE802.3at, IEEE802.3bt
Network Media(Cable)	10BASE-T:UTP category 3, 4, 5 cable (≤100m) 100BASE-T:UTP category 5, 5e cable(≤100m) 1000BASE-TX:UTP category 5e, 6 cable(≤100m) 2.5GBASE-X:UTP category 6, 6A cable(≤100m) 1000BASE-X:MMF, SMF 10GBASE-X:MMF, SMF 10GBASE-SR:OM1/OM2/OM3 or above MMF (2m~300m) 10GBASE-LR:IEC's B1.1 and B1.3 SMF (2m~10000m)
Indicator	PWR (Green), LNK/ACT (Green), SYS (Green), PoE(Orange)
MAC Address Table	32K,Auto-learning, Auto-updating
Jumbo Frame	12KByte
Packet Buffer	16Mbit
Transfer Mode	Store-and-Forward
Switching Capacity	240Gbps
Packet Forward Speed	178.56Mpps
Dimensions(L*W*H)	440 × 330 × 44 mm (17.32 × 12.99 × 1.73 in)
Total Power Supply	1000W
Input Voltage	AC: 100-240V, 50/60Hz
PoE Total Power	720W
PoE Port	Port 1-24
PoE Output Power	90W (Max)
Powered by RJ45 PoE	1/2(-)3/6(+), 4/5(+)7/8(-)
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing
Lightning Protection Grade	Differential mode ±2KV, Common mode ±4KV
Electrostatic Standard	Contact ±6KV, Air ±8KV
MTBF	>50000 hours

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

Software Specification

L3 Features

DHCP Server	DHCP Server DHCPv6 Server
Route	Static Route(IPV4/IPV6) Route Aggregation
RIP	RIP v1/v2/RIPng
OSPF	OSPF v2/v3
BGP	BGP4/BGP6
VRRP	IPv4/IPv6 VRRP
PIM	IPv4/IPv6 PIM
Stacking	Stacking VSF

L2 Features

MAC Address Table	MAC Aging Time MAC Filter MAC Notification
Basic Management	Console/Telnet/SSH Http/Https SSL/TLS FTP/TFTP Syslog SNMP(v1/v2c/v3) SNMP Trap RMON SNTP/NTP CPU protect Software/Hardware watchdog Firmware Upgrade/Backup Ping/Traceroute Onvif ZTP
Port Config	Bandwidth Control Flow Control EEE MTU CFM(802.1ag) EFM OAM(802.3ah) DDM Storm Control Port Isolation Port Security Virtual Cable Test ULDP/Cisco UDLD
Discovery	LLDP(802.1ab) LLDP-MED

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Link Aggregation	Static LACP(802.3ad) Load Balance(src-mac/dst-mac/src-ip/dst-ip) Max groups and ports per group
VLAN	VLAN(802.1Q 4K) Access/Trunk/Hybrid Private VLAN VLAN Filter MAC-based VLAN Protocol-based VLAN IP Subnet-based VLAN Voice VLAN GVRP/GMRP QinQ/Selective-QinQ/Flexible QinQ VLAN Translation/N:1 VLAN Translation Guest VLAN
Network Loop Detection	Loopback Detection ERPS
Spanning Tree	STP/RSTP/MSTP MSTP Support 64 instance BPDU Guard/Root Guard/BPDU Tunnel
ARP	Static ARP ARP Scanning Prevention ARP Spoofing Prevention ARP Guard Gratuitous ARP Dynamic ARP Inspection ARP Quantity Control
IPv4 Related Function	
ICMP	Anti ICMP Attack ICMP Rate Limit ICMP Unreachable Drop
Control Multicast	DCSCM
Multicast VLAN	Multicast VLAN
IGMP	IGMP SNOOPING V1/V2/V3 Fast Leave IGMP Proxy
DHCP	DHCP Client/BOOTP DHCP Relay DHCP Snooping DHCP Option 82/43/60/61/67
IPv6 Related Function	
IPv6 Basic	IPv6 ND Snooping
DHCPv6	DHCPv6 Relay DHCPv6 Snooping IPv6 SAVI Security RA

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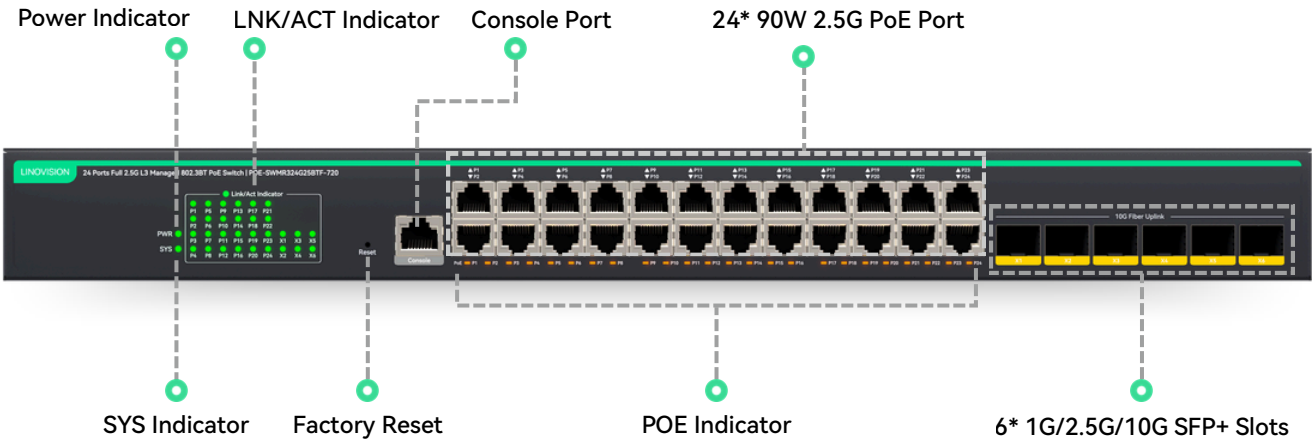
IPv6 Multicast Routing	MLD v1/V2 Snooping
IPv6 Features	SNMP over IPv6 Support HTTP over IPv6 Support SSH over IPv6 Support DNS over IPv6 Support IPv6 ping/traceroute Support IPv6 Telnet Support IPv6 Radius+ Support IPv6 Tacacs+ Support IPv6 SNTP/NTP Support IPv6 FTP/TFTP Support IPv6 IPsec Support IPv6 ACL
QoS(Quality Of Service)	
Basic	Trust COS/DSCP Trust Port
Scheduling	SP WRR WDRR
PolicyMap Stream	Based on VLAN Based on COS/DSCP Aggregate PolicyMap Ingress PolicyMap
Policing	CAR Stream Shaping(leak algorithm) Ingress Policing
Rewrite	COS/802.1p Priority IP Precedence IPv4 DSCP/IPv6 DSCP drop-precedence internal-priority Ingress/Egress Rewrite
Queuing	DSCP to DSCP mapping DSCP to DP mapping DSCP to Queue mapping COS to DP mapping COS to Queue mapping
ACL	
IP-ACL	SIP/DIP IP Protocol IP Priority(DSCP,TOS, Precedence) TCP,UDP src,dst Port
MAC-ACL	SRC/DST MAC VLAN COS Tag/Untag
IP-MAC ACL	MAC-ACL and IP-ACL

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User-defined ACL	Base on user defined profile
ACL Features	Based on time period ACL ACL on VLAN Based on ACL Stream
Security	
802.1x	Port Based Authentication Support EAPoR MAC based Authentication Guest VLAN
MAB	Based on Port Authentication Based on MAC Authentication
MAC Address Count Limit	Based on Port Based on VLAN
IP Address Count Limit	Based on Port Based on VLAN
Access Management	Based on source mac and IP address
Deny DoS Attack	TCP Flag TCP Flagment IP Segment ICMP
TACACS+	Standard Support
Radius	Standard Support Client, Support MD5
SSL	Openssl 1.1.0
Redundancy Related Function	
MRPP	Compatiable ERRP
ULPP	Uplink Protection Protocol Smart Link/Monitor Link
ULSM	Uplink State Monitor
Flow Monitor Function	
Mirror	Support one to one, multi to one Port based mirror, support ingress, egress, and both CPU based mirror Flow based mirror RSPAN
PoE	
PoE Management	ON/OFF Config Alive Checking for PD 7/24 On/Off Scheduling

Interface

Front View

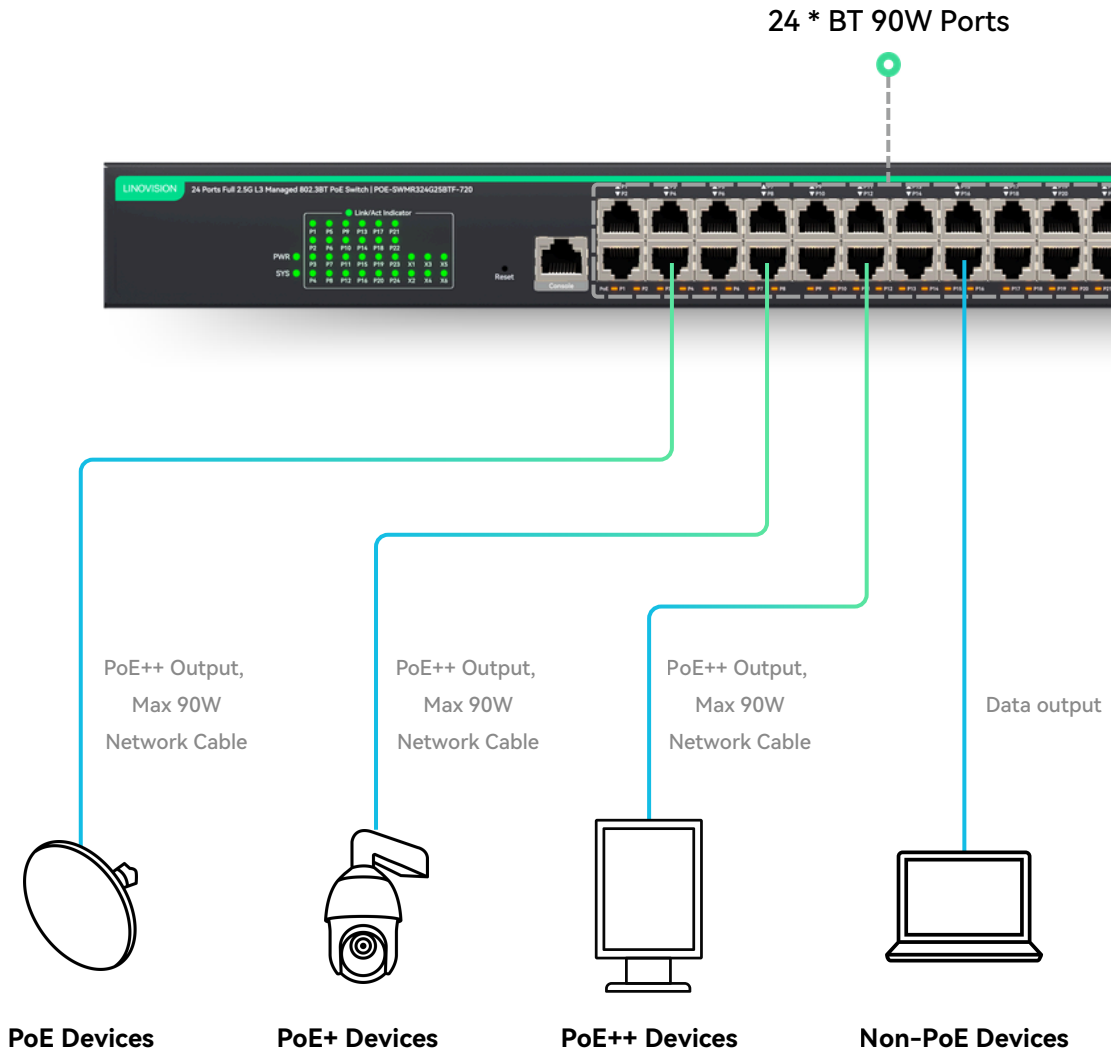


Rear View



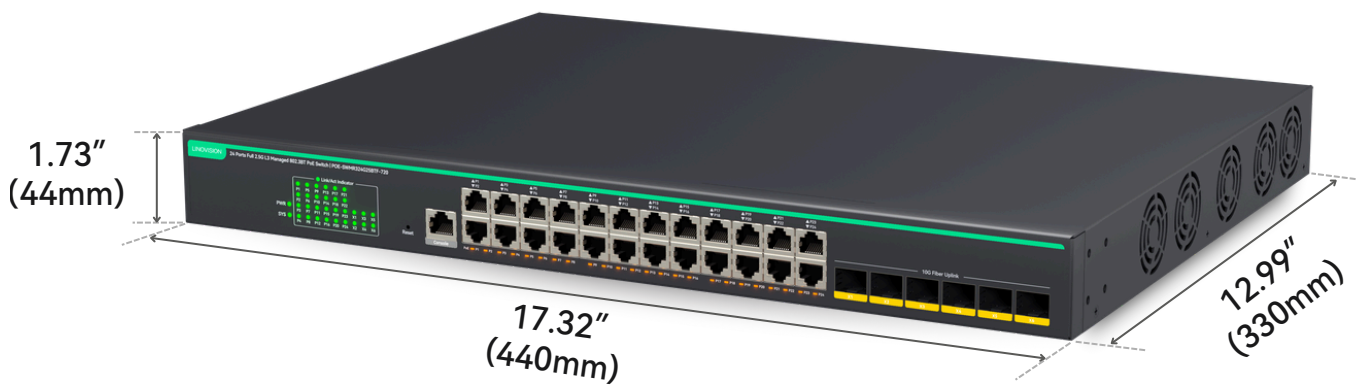
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Connection Diagram



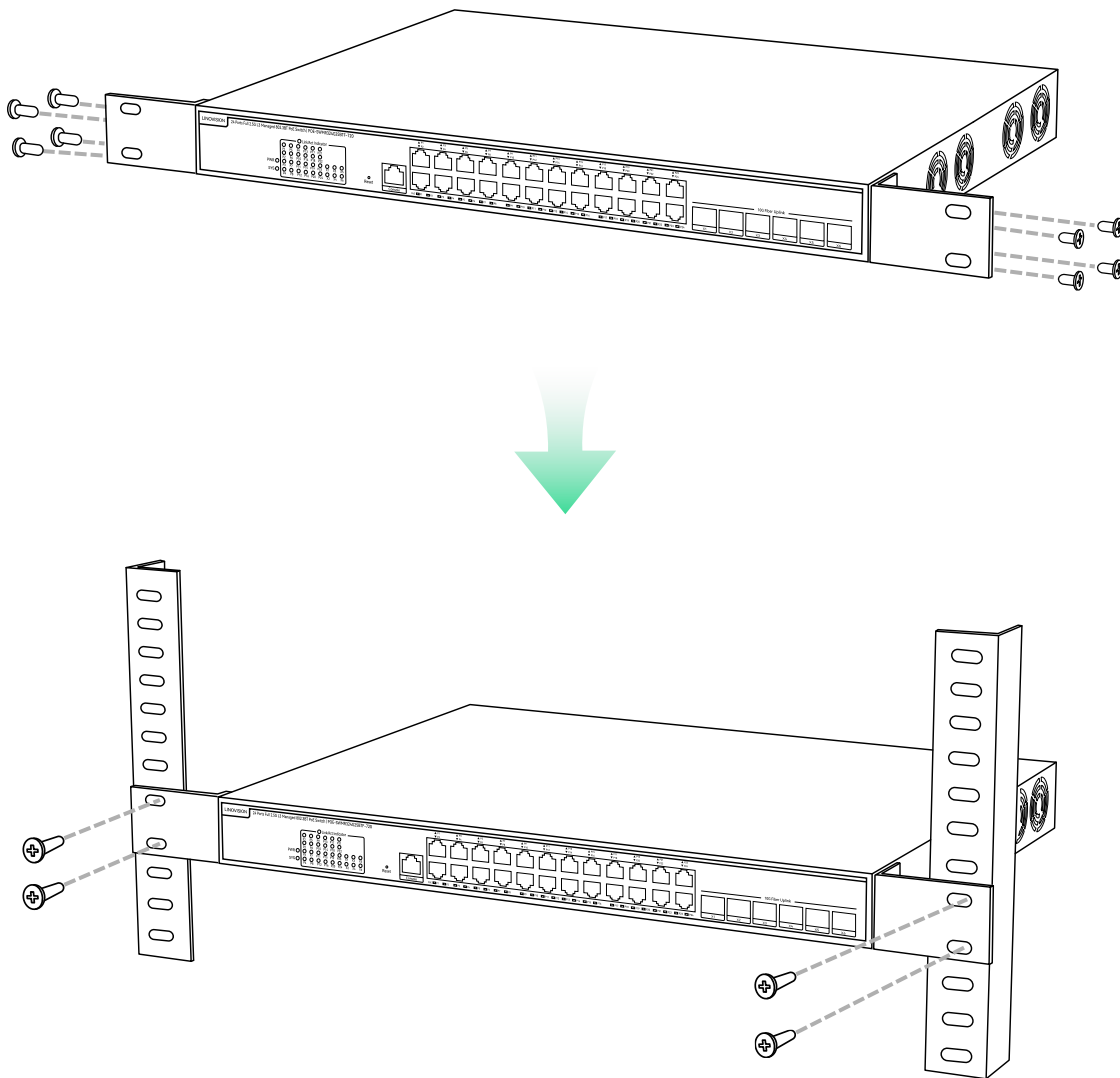
- Provide 24 IEEE 802.3bt 90W PoE ports, which are compatible with all IEEE 802.3af/at/bt PoE devices in the market, such as NAS, PoE WiFi7 AP, IP cameras, PTZ cameras, VoIP phones, PoE light, PoE monitor, PoE Wireless AP, and non-PoE devices.

Dimension



Weight: 5.12kg (11.29lb)

Installation



Rack-mount Installation

Package Contents



POE-SWMR324G25BTF-720



Power Adapter



Rack Mount Accessory



User Manual