

V3700-34XEP

Layer3 Swtich with PoE++

24*10GE(PoE++)+ 8*10GE(SFP+)
+2*40G/100G (QSFP)

The V3700-34XEP is a pizza-box PoE++ switch that supports flexible, high-speed Ethernet access. It is ideally suited for a wide range of scenarios, including sparse, remote and cost-sensitive areas, smart industrial parks, commercial buildings, and more.

Highlights

- **Compact design, meets various application scenarios**

  Supports the deployment in diverse scenarios including low density areas, remote areas, sparsely-populated areas and industry parks.

- **Small size and lightweight, easier to delivery and install**

  Small size and lightweight, easy to transport and install.

  Supports multiple installation modes, like limited room space,basement, low-voltage room and small rack or cabinet.

- **Carrier-class security protection, support dynamic routing protocol RIP&OSPF, ensure the safe operation of network**

  Supports uplink redundancy protection including LACP and RSTP, and support RIP&OSPF protocol. Supports link protection.

- **POE++**
- Up to 24 PoE++ ports and Up to 90w power supply.

Technical Specifications

Item		V3700-34XEP
Chassis	Rack	1U 19Inch Standard Box
Uplink Port	QTY	34
	RJ45(1/2.5/5/10 GE)	24
	SFP+(1/2.5/10 GE)	8
	QSFP28(40GE/100GE)	2
PoE Features		IEEE 802.3bt
		Guaranteed 4-pair output power of > 90W
Management Ports		1*10/100/1000BASE-T out-band port, 1*CONSOLE port, 1*Type-C USB console, 1*MicroSD port
Backplane Bandwidth (Gbps)		1.04Tbps
Port Forwarding Rate(Mpps)		773
Lightning protection	Power lightning protection	4KV
	Interface lightning protection	6KV
Power supply	AC	100-250 V AC, 45/65Hz
Number of fans		4
Management Mode		cli(console/telnet/ssh)/web/snmp(ems)

Management Function

- SNMP,Telnet,CLI,WEB,SSH v2;
- Fan Group Control
- Port Status monitoring and configuration management
- User management
- Alarm management

Layer2 Switch

- 32K Mac address
- Support 4096 VLANs
- Support port VLAN and protocol VLAN
- Support VLAN tag/Un-tag, VLAN transparent transmission
- Support VLAN translation and QinQ
- Support storm control based on port
- Support port isolation
- Support port rate limitation
- Support 802.1D and 802.1W
- Support static LACP,Dynamic LACP
- QoS based on port, VID, TOS and MAC address
- Access control list
- IEEE802.x flowcontrol
- Port stability statistic and monitoring

Multicast

- IGMP snooping
- 2048 IP Multicast Groups;

DHCP

- DHCP server,DHCP relay,DHCP snooping
- DHCP option82

Layer 3 Route

- 4096 hardware Host Routes,512 hardware Subnet Routes
- Support 802.1X,Radius,Tacacs+
- Support IP source guard
- Support static route ,dynamic route RIP v1/v2,RIPng and OSPF v2/v3;

IPv6

- Support NDP;
- Support IPv6 Ping,IPv6 Telnet,IPv6 routing;
- Support ACL based on source IPv6 address, destination IPv6 address, L4 port, protocol type, etc;
- Support MLD v1/v2 snooping(Multicast Listener Discovery snooping)

Othter Function

- Standard: IEEE 802.3bt
- Legacy/pre-standard PD detection
- PD Types: Ttype 1, Type 2, Type 3, Type 4 PDs(802.3at, 802.3bt)
- Two power rails (55V and 3.3V) for maximum power efficiency
- Device power dissipation < 2W at full load
- Guaranteed 4-pair output power of > 90W
- Real-time protection(RTP)
- Support VLAN division and user separation to avoid broadcast storm
- Support power-off alarm function, easy for link problem detection
- Support broadcasting storm resistance function
- Support port isolation between different ports
- Support ACL and SNMP to configure data packet filter flexibly
- Specialized design for system breakdown prevention to maintain stable system
- Support RSTP,IGMP Proxy

Dimension (L*W*H)

- 442mm*440mm*43.6mm

Weight

- Net weight of single power: 9.25KG

Power Consumption

- 1AC/2AC: 2000W/4000W

Working Environment

- Working Temputure: -20°C ~+60°C
- Working Humidity: 10%~85%(non-conditioning)

Storage Environment

- Storage Temputure: -40~+85°C
- Storage Humidity: 5%~95%(non-conditioning)

Ordering Information:

Product Name	Product Description	Power Configuration	Accessories
V3700-34XEP	24*10GE(RJ45 with PoE++)+ 8*10GE(SFP+)+2*100GE(QSFP28)	1*AC power(Default) 2*AC power(Optional)	100GE QSFP28 module 10GE SFP+ module