

**OverView:****24 Port Managed PoE Switch with 2 Gigabit SFP Port**

HOP3440S1226-2TP is a new generation Power over Ethernet switch with 24-Port 10/100/1000Base-TX and 2xGigabit uplink ports that provide stable and reliable Ethernet transmission. With high-quality design and reliability. It can supply power to PD terminal equipment such as wireless AP, webcam, VoIP, and visual intelligent building intercom through network cable and meet the network environment that needs a high-density PoE/PoE+ power supply. It is suitable for hotels, campuses, factory dormitories and small and medium-sized enterprises.

**Product Features:**

IEEE 802.3af/at PoE Standard, without damaging non-PoE devices.  
 Advanced PoE management functions : PoE output setting, Smart PoE, PoE scheduling and PoE Budget Management.  
 Priority system for PoE Port, it will supply power to the high priority level port first when the power budget is insufficient.  
 Full gigabit L2+ management, easy to manage the PoE network by CLI/Cloud/WebGUI/NMS.  
 Build up an redundant PoE network with STP/RSTP/MSTP/ERPSv2.  
 RADIUS, IEEE 802.1X, SNMPv3, HTTPs and SSH to enhance network security.  
 Bandwidth management prevents unpredictable network status with "Lock Port" to restrict access to authorized MAC addresses.  
 QoS, Priority mode based on 802.1P, Port & DSCP, queue scheduling algorithm including Equ, SP, WRR&SP+WRR

**Ethernet Interface:**

● Model:  
HOP3440S1226-2TP  
 Ports:  
 ● 2xGigabit SFP Port  
 ● 24x10/100/1000M Base-TX RJ45  
 Port Mode(Tx):  
 ● Auto-Negotiation Speed  
 ● Full/Half Duplex Mode  
 ● Auto MDI/MDI-X Connection  
 SFP Port Transmission:  
 ● Multi-mode: 850nm/0-500M, Single-mode:1310nm/0-40km, 1550nm/up to 120km  
 RJ45 Port Transmission:  
 ● 100m (using standard CAT5/CAT5e cable )  
 Standards:  
 ● IEEE 802.3 for 10BaseT  
 ● IEEE 802.3u for 100BaseT(X) and 100BaseFX  
 ● IEEE 802.3ab for 1000BaseT(X)  
 ● IEEE 802.3z for 1000BaseSX/LX/LHX/ZX  
 ● IEEE 802.3x for flow control  
 ● IEEE 802.1D-2004 for Spanning Tree Protocol  
 ● IEEE 802.1w for Rapid Spanning Tree Protocol  
 ● IEEE 802.1s for Multiple Spanning Tree Protocol  
 ● IEEE 802.1p for Class of Service  
 ● IEEE 802.1Q for VLAN Tagging  
 ● IEEE 802.1X for authentication  
 ● IEEE 802.3ad for Port Trunk with LACP  
 Packet Buffer Size: 4Mbits  
 Maximum Packet Length: Up to 10K  
 MAC Address Table: 8K  
 Transmission Mode: Store and Forward (full/half duplex mode)  
 Exchange Property:  
 ● Delay time: < 7μs  
 ● Backplane bandwidth: 56Gbps; Packet Forwarding Rate:47.616Mbps  
 IGMP Group:4096  
 Max. No. of VLAN: 256  
 VLAN ID Range: VID 1 to 4094

- Model: HOP3440S1224-2TP

**PoE & Power Supply:**

PoE Ports:

- Port 1 to 24 IEEE802.3af/at @PoE+

Power Supply Pin:

- Default: 1/2(+), 3/6(-)

Max Power Per Port:

- 30W

Total PWR:

- 350W (Model dependent)

Power Consumption:

- 24 Watts Max(without PoE load)

Power Inputs:1

Power Supply:

- Internal power adapter with AC100 - 240V 50-60Hz input

Protection:

- Overload Current Protection, Reverse Polarity Protection

**Physical Characteristics:**

Housing:

- Metal

IP Rating:

- IP30

Dimensions:

- 440mm\*300mm\*45mm

Installation Mode:

- 1RU Chassis Rack-Mount Installation

Weight :

- 4000g

**Environmental:**

Operating Temperature:

- 0°C~50°C(32to 122 °F)

Operating Humidity:

- 5%~90% (non-condensing)

Storage Temperature:

- -20°C~70°C (-4 to 158 °F)

MTBF:

- 100,819 Hours

MTBF Standard:

- Telcordia SR-332 GB 25°C

Cooling:

- Passive

Noise Level:

- 0 dBA

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**Ethernet Software Features:**

Redundancy Protocols:

- Support STP/RSTP/MSTP/ERPSv2, Link Aggregation

Multicast Support:

- Support IGMP Snooping V1/V2/V3, support GMRP, GVMP,802.1Q

VLAN:

- Support IEEE 802.1Q 4K VLAN, support QINQ, Double VLAN,

- Time Management: SNTP

QOS:

- Flow-based redirection
- Flow-based rate limiting
- Flow-based packet filtering
- 8\*Output queues of each port 802.1p/DSCP priority mapping
- Diff-Serv QoS,Priority Mark/Remark
- Queue Scheduling Algorithm (SP, WRR, SP+WRR)

ACL:

- Port-based Issuing ACL
- ACL based on port and VLAN
- L2 to L4 packet filtering, matching first 80 bytes message.
- Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc

POE Management:

- Total power limit of PoE power supply
- PoE output power allocation, on/off with at/af/bt
- PoE output priority configuration
- PoE working status
- Scheduling of PoE operation

Diagnostic Maintenance:

- Support port mirroring, Syslog, Ping

Management Function:

- Support CLI, WEB, SNMPv1/v2/v3, Telnet server for management, EEE, LLDP,
- DHCP Server/Client(IPv4/IPv6), Cloud/MQTT
- Alarm Management Support 1 way relay alarm output, RMON, TRAP

Security:

- Broadcast Storm Protection, HTTPS/SSLv3, AAA & RADIUS, SSH2.0
- Support DHCP Snooping, Option 82, 802.1X security access,
- Support user hierarchical management, ACL access control list,
- Support DDOS, port-based MAC filtering / binding, MAC black holes, IP source protection, Port isolation, ARP message speed limit

Advance Layer 2+ Features:

- IPv4/IPv6 Management