DS-3E1726HP-SI-24P2X
24 Port Gigabit Smart PoE Switch

Smart managed switches are developed by Hikvision, featuring easy management and maintenance. You can easily deploy, monitor and expand your surveillance system anytime and anywhere with our software platforms. You can view the network topology, monitor the health of the network and receive device alarms in real time, which greatly reduces the cost of network operation and maintenance.

- 24 × Gigabit PoE port,2 × 10G fiber optical port
- Total PoE Power Budget 370 W
- Support energy saving mode with user-configurable plans
- Support IEEE 802.3az Energy Efficient Ethernet (EEE) standard, saving power during periods of low data activity
- Support IEEE 802.1Q VLAN tagging
- Support STP/RSTP/ERPS loop prevention with storm control
- Support cable detection to locate failure
- Support SNMP, QoS, DHCP snooping, and ARP anti-spoofing
- Support 6 kV surge protection

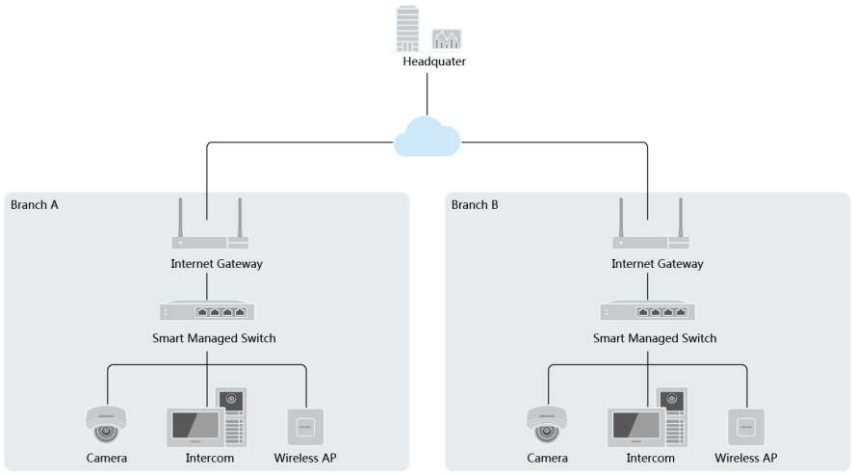
▪ Specification

General	
Shell	Metal material
Net Weight	3.12 kg (6.89 lb)
Gross Weight	3.45 kg (7.61 lb)
Dimensions (W × H × D)	440.0 mm × 44.0 mm × 220.8 mm (17.32'' × 1.73'' × 8.69'')
Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100~240 V AC, 50/60 Hz, Max. 6.3 A
Max. Power Consumption	400 W
Power Consumption in Idle	10 W
Surge Protection	6 kV
Installation Mode	Rack (equipped with mounting ears)
Network Parameters	
Ports	24 × Gigabit PoE port,2 × 10G fiber optical port
MAC Address Table	16 K
Switching Capacity	88 Gbps
Packet Forwarding Rate	65.47 Mpps
Internal Cache	8.4 Mbits
PoE Power Supply	
PoE Standard	Ports 1 to 4: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt Ports 5 to 24: IEEE 802.3af, IEEE 802.3at
PoE Power Pin	Ports 1 to 4: 8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-) Ports 5 to 24: End-span: 1/2(-), 3/6(+)
PoE Port	Hi-PoE: Ports 1 to 4 PoE: Ports 5 to 24
Max. Port Power	Ports 1 to 4: 90 W Ports 5 to 24: 30 W
PoE Power Budget	370 W
PoE Power Saving	Power conservation is achieved by scheduling PoE to be enabled or disabled so that the PoE port(s) will cut off power to IPCs during idle periods.
Software Function	
Long Range	Ports 1 to 24: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 26: port isolation mode to improve network security Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
PoE Watchdog	Ports 1 to 24: Auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation group(s).

QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP and WRR priority scheduling modes. Support DSCP-based QoS policy.
Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Support 802.1w RSTP. Support G.8032 ERPS.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 1024 VLAN.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display the PoE power usage. 4. Display topology information. 5. Display the alarm status. 6. Restart ports and devices. 7. Enable port long-rage mode. 8. Remotely upgrade the device.
System Maintenance	Support device management via web. Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Support Super IP, which is a configurable IP address (default: 10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Support 802.1ab LLDP for peer device discovery. Support SNMP v1/v2c for third-party management platform access. Support port mirroring for fault locating.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
DHCP Snooping	DHCP Snooping can prevent unauthorized connections to DHCP servers from disrupting the network and affecting normal network communication, and only allow DHCP packets from trusted ports to pass through. Disabled by default.

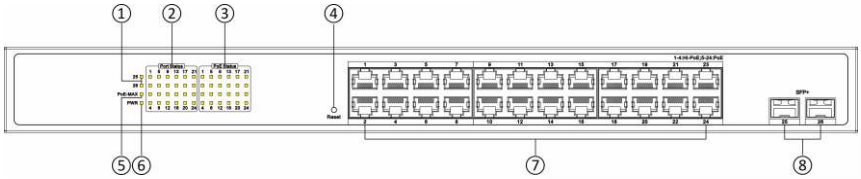
ACL	Port security strategy. Support up to 32 ACL entries. Support up to 64 configuration rules under all ACL entries.
IPSG	IPSG can control the security of port access device. Support port, MAC, IP binding. Support 64 security entries.
DDM (Digital Diagnostic Monitoring)	Support real-time monitoring of key parameters in optical modules, such as operating temperature, operating voltage, operating current, and Rx and Tx optical power.
Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CE-LVD (EN 62368-1: 2014+A11: 2017),CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition))
Chemistry	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No.1907/2006)

▪ Typical Application

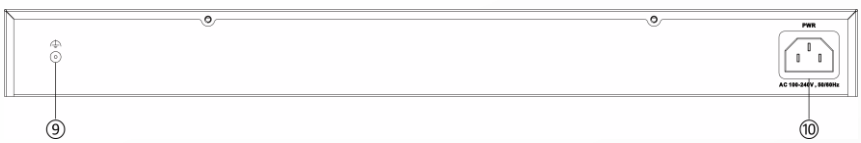


▪ Physical Interface

Front Panel

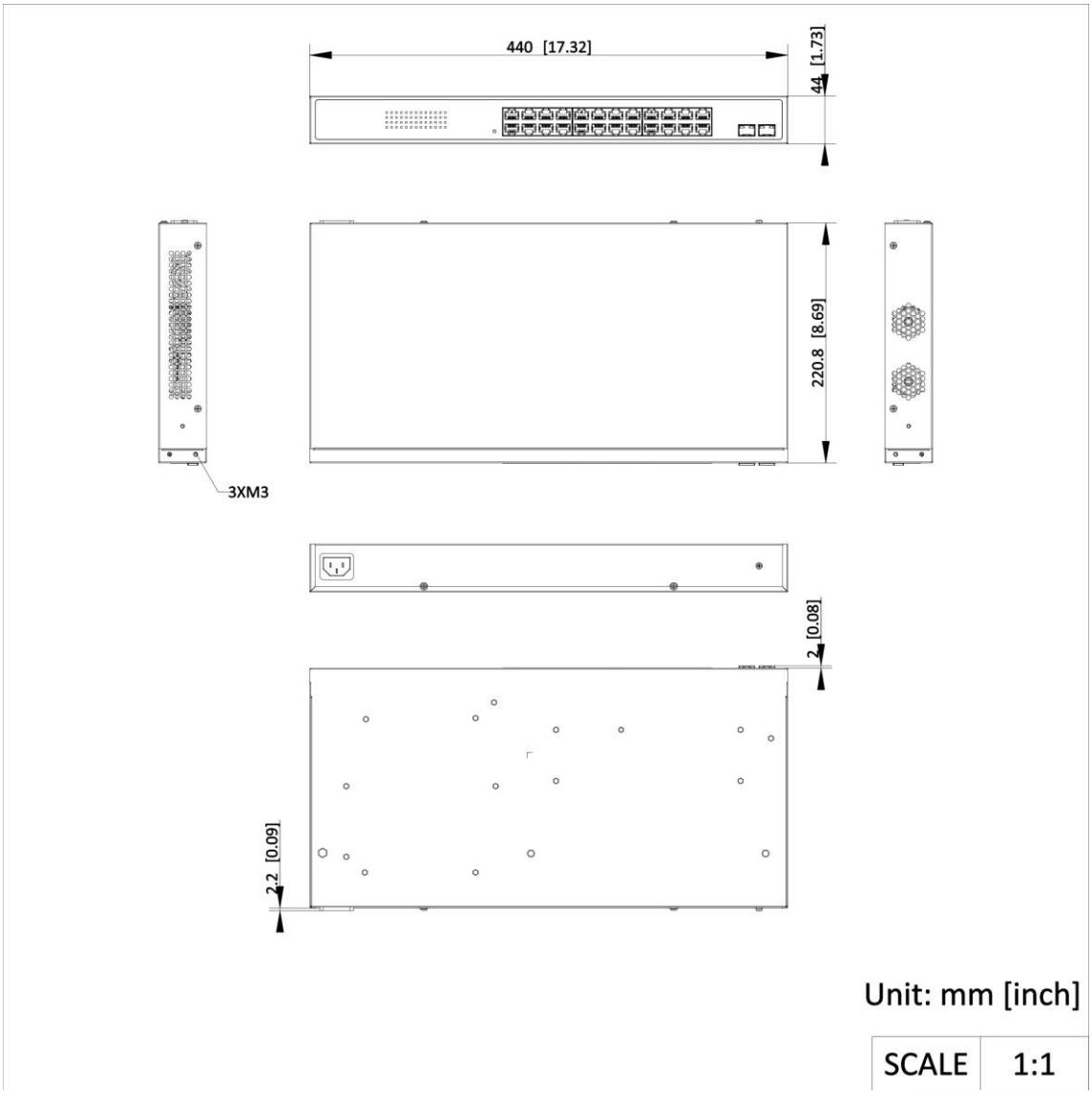


Rear Panel



No.	Indicator/Port	Description
①	10 Gigabit SFP+ Fiber Optical Port Indicator (Ports 25&26)	● Solid on: The 10 gigabit SFP+ fiber optical port is connected. ● Flashing: The 10 gigabit SFP+ fiber optical port is transmitting data. ● Unlit: The 10 gigabit SFP+ fiber optical port is disconnected or connection is abnormal.
②	Port Status Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
③	PoE Status Indicator	● Solid on: The switch provides power supply to a powered device (PD) normally. ● Unlit: The switch is disconnected to a PD, or provides power supply to a PD abnormally.
④	Reset Button	Press and hold the reset button for more than 5 seconds to restore all the configurations of the switch to default settings.
⑤	PoE-MAX Indicator	● Solid on: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. ● Unlit: The switch supplies power to a PD normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.
⑥	PWR Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply is connected or power supply is abnormal.
⑦	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable. Note: Ports 1 to 4 of DS-3E1726HP-EI are Hi-PoE RJ45 ports, which can be connected to high-power devices.
⑧	10 Gigabit SFP+ Fiber Optical Port (Ports 25&26)	Used for connection to another device via an optical fiber when plugged into with an SFP+ optical module.
⑨	Grounding Terminal	Used for connection to a grounding cable to protect the switch from lightning.
⑩	Power Supply	Use the attached power cord to connect the switch to a power socket.

▪ Dimension



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www.hikvision.com
support@hikvision.com

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