

DS-3E1310P-EI/M(B) **8 Port Fast Ethernet 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.

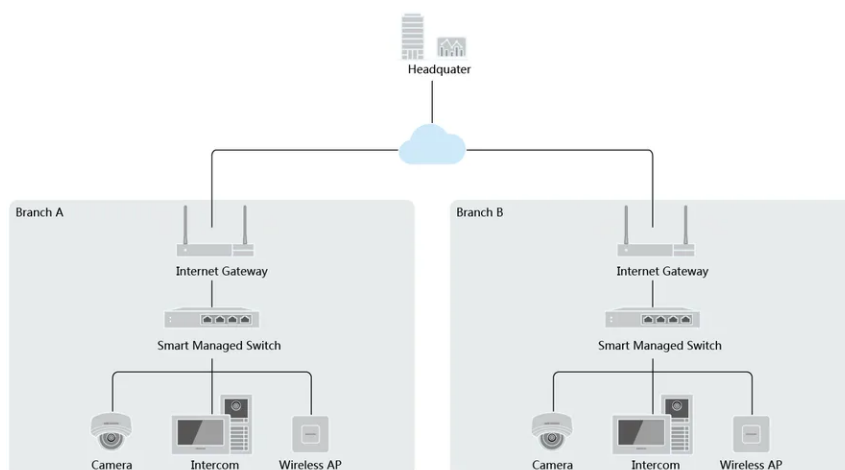
- 8 × 10/100 Mbps PoE ports, 2 × Gigabit RJ45 port
- Total PoE Power Budget 80 W
- Support 802.1Q VLAN
- Support PoE watchdog to detect and restart the cameras that do not respond
- Support STP/RSTP Loop prevention
- Support cable detection to locate failure
- Up to 300 m Long Range PoE Transmission
- 6 kV Surge Protection

▪ Specification

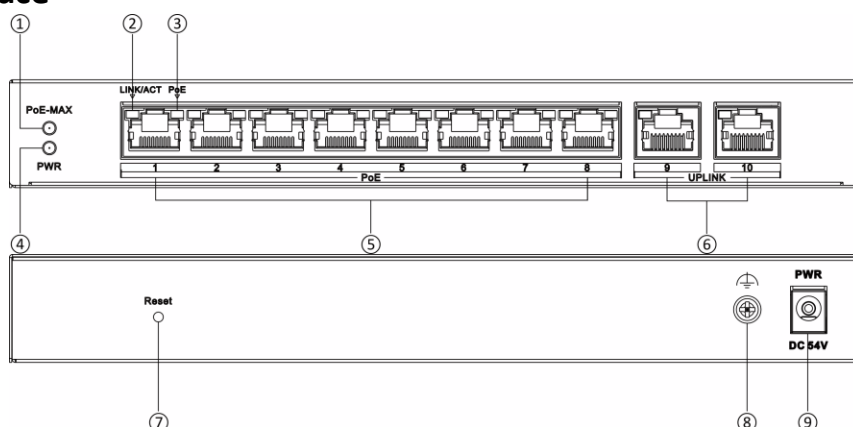
General	
Shell	Metal material
Net Weight	0.54 kg (1.19 lb)
Gross Weight	1.08 kg (2.38 lb)
Dimensions (W × H × D)	217.6 mm × 27.6 mm × 108.5 mm (8.57" × 1.09" × 4.27")
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	DC54 V,1.6 A
Installation Mode	Desk-Mounted,Wall-Mounted
Max. Power Consumption	85 W
Power Consumption in Idle	5 W
Surge Protection	6 kV
Network Parameters	
Ports	8 × 10/100 Mbps PoE port,2 × Gigabit RJ45 port
MAC Address Table	4 K
Switching Capacity	Whole-Device Performance: 9.6 Gbps Port Performance: 5.6 Gbps
Packet Forwarding Rate	Whole-Device Performance: 7.14 Mpps Port Performance: 4.17 Mpps
Internal Cache	2 Mbits
Software Function	
Long Range	Ports 1 to 8: up to 300 m. Long range performance may vary depend on camera model or cable condition.
VIP Port	Ports to : data on VIP ports is preferentially forwarded when bandwidth resources are insufficient.
Port Isolation	Ports 1 to 8: 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 8: auto detect and restart the cameras that do not respond.
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.
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. 4094 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-range mode. 8. Remotely upgrade the device.
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.
IGMP Snooping	Support multicast service access to save bandwidth. Support IGMP v1/v2/v3 versions. Support multicast table entries.
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, WRR priority schedule mode.
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 fixed IP address (10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Supports 802.1ab LLDP for peer device discovery. Support port mirroring for fault locating.
PoE Power Supply	
PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Power Pin	End-span: 1/2(-), 3/6(+)
PoE Port	PoE: Ports 1 to 8
Max. Port Power	30 W
PoE Power Budget	80 W
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)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1:2014 (Second Edition), CE-LVD (EN 62368-1:2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No.1907/2006)

▪ Typical Application



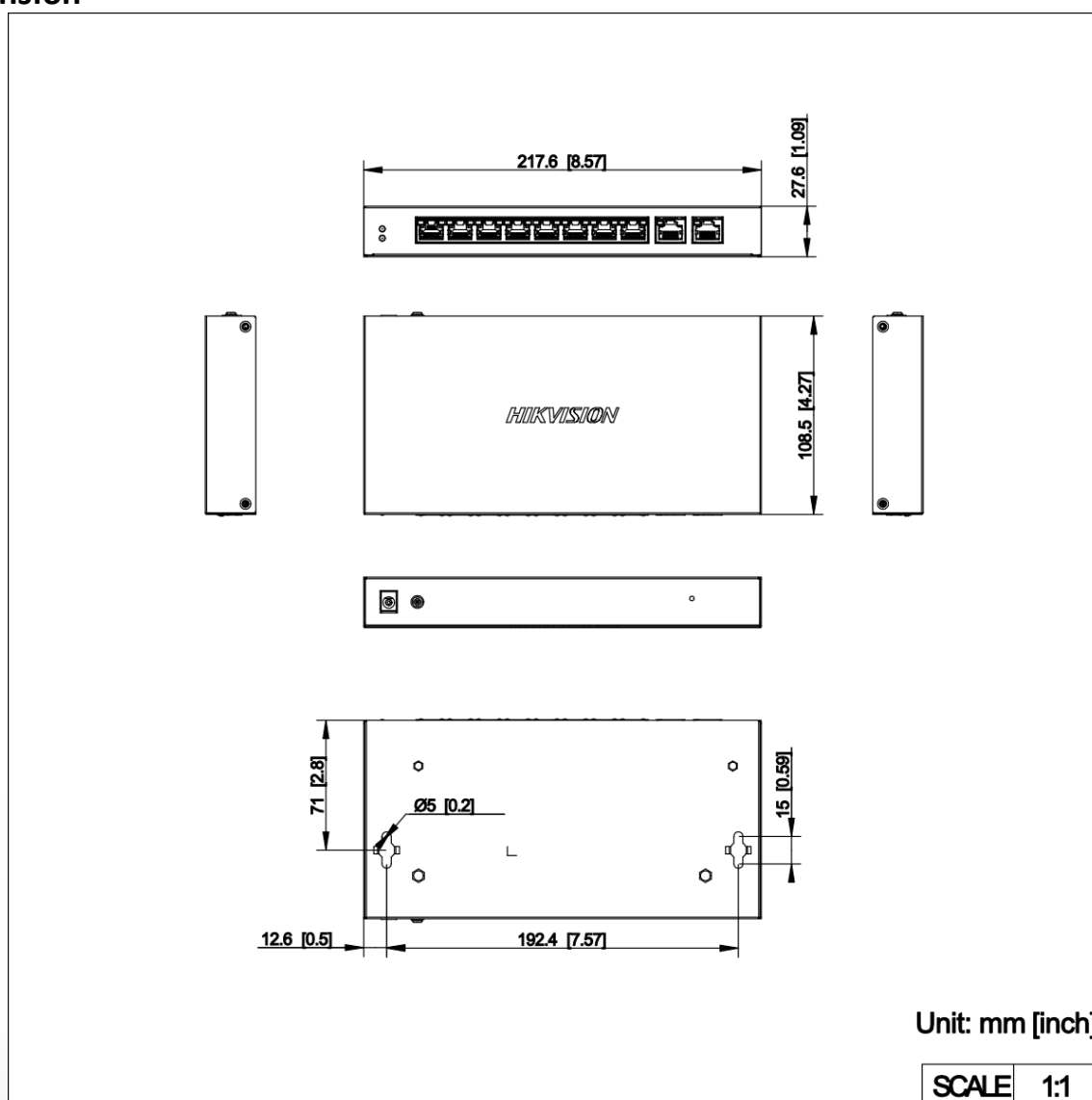
Physical Interface



No.	Indicator/Port	Description
①	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 powered device (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.
②	LINK/ACT Indicator	Solid on: The port is connected. Flashing: The port is transmitting data. Unlit: The port is disconnected or connection is abnormal.
③	PoE Indicator	Solid on: The switch supplies power to a PD normally. Unlit: The switch is disconnected from a PD or power supply is abnormal.
④	PWR Indicator	Solid on: The switch is powered on normally. Unlit: No power supply is connected or power supply is

		abnormal.
⑤	10/100 Mbps PoE RJ45 Port	Used for connection to a PD via a network cable.
⑥	Gigabit RJ45 Port (Uplink)	Used for connection to another device via a network cable.
⑦	Reset Button	Press and hold the reset button for about 5 seconds to restore all the configurations of the switch to default settings.
⑧	Grounding Terminal	Used for connection to the grounding cable to protect the switch from lightning.
⑨	Power Supply	Use the attached power adapter and power cord to connect the switch to a socket.

▪ Dimension



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