DS-3E1318P-EI/M
16 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.

- 16 × 10/100 Mbps PoE ports, 1 × Gigabit RJ45 port,1 × Gigabit combo
- Total PoE Power Budget 130 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

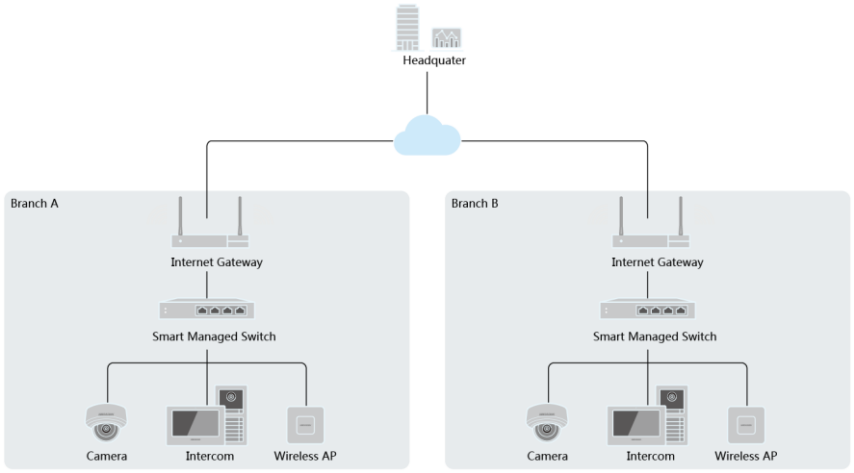
General	
Shell	Metal material
Net Weight	1.8 kg (4.0 lb)
Gross Weight	3.0 kg (6.6 lb)
Dimensions (W × H × D)	440.00 mm × 44.00 mm × 220.80 mm (17.32'' × 1.73'' × 8.69'')
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100-240 V AC, 50/60 Hz, Max. 3 A
Installation Mode	Rack (equipped with mounting ears)
Max. Power Consumption	150 W
Power Consumption in Idle	20 W
Surge Protection	6 kV
Network Parameters	
Ports	16 × 10/100 Mbps PoE port,1 × Gigabit RJ45 port,1 × Gigabit combo
MAC Address Table	16 K
Switching Capacity	Whole-Device Performance: 9.2 Gbps Port Performance: 7.2 Gbps
Packet Forwarding Rate	Whole-Device Performance: 6.84 Mpps Port Performance: 5.36 Mpps
Internal Cache	4 Mbits
PoE Power Supply	
PoE Standard	IEEE 802.3af,IEEE 802.3at
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	PoE: Ports 1 to 16
Max. Port Power	30 W
PoE Power Budget	130 W
Software Function	
Long Range	Ports 1 to 16: up to 300 m. Long range performance may vary depend on camera model or cable condition.
VIP Port	Ports 1 to 8: data on VIP ports is preferentially forwarded when bandwidth resources are insufficient.
Port Isolation	Ports 1 to 16: 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 16: 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 1 aggregation group.
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. Suppport 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-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 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. Abnormal open circuits and short circuits as well as network cable length can be detected. Supports 802.1ab LLDP for peer device discovery. Support port mirroring for fault locating.
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	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)

▪ Available Model

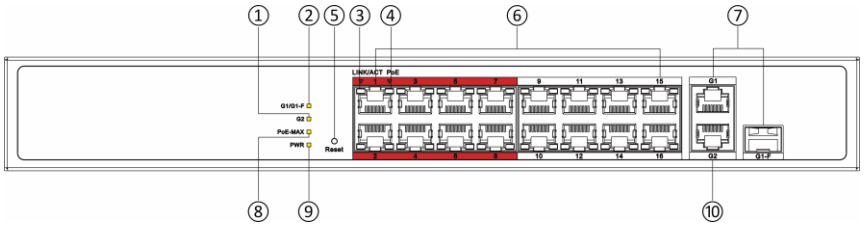
DS-3E1318P-EI/M

▪ Typical Application

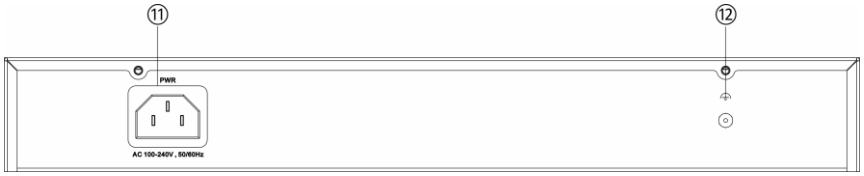


▪ Physical Interface

Front Panel



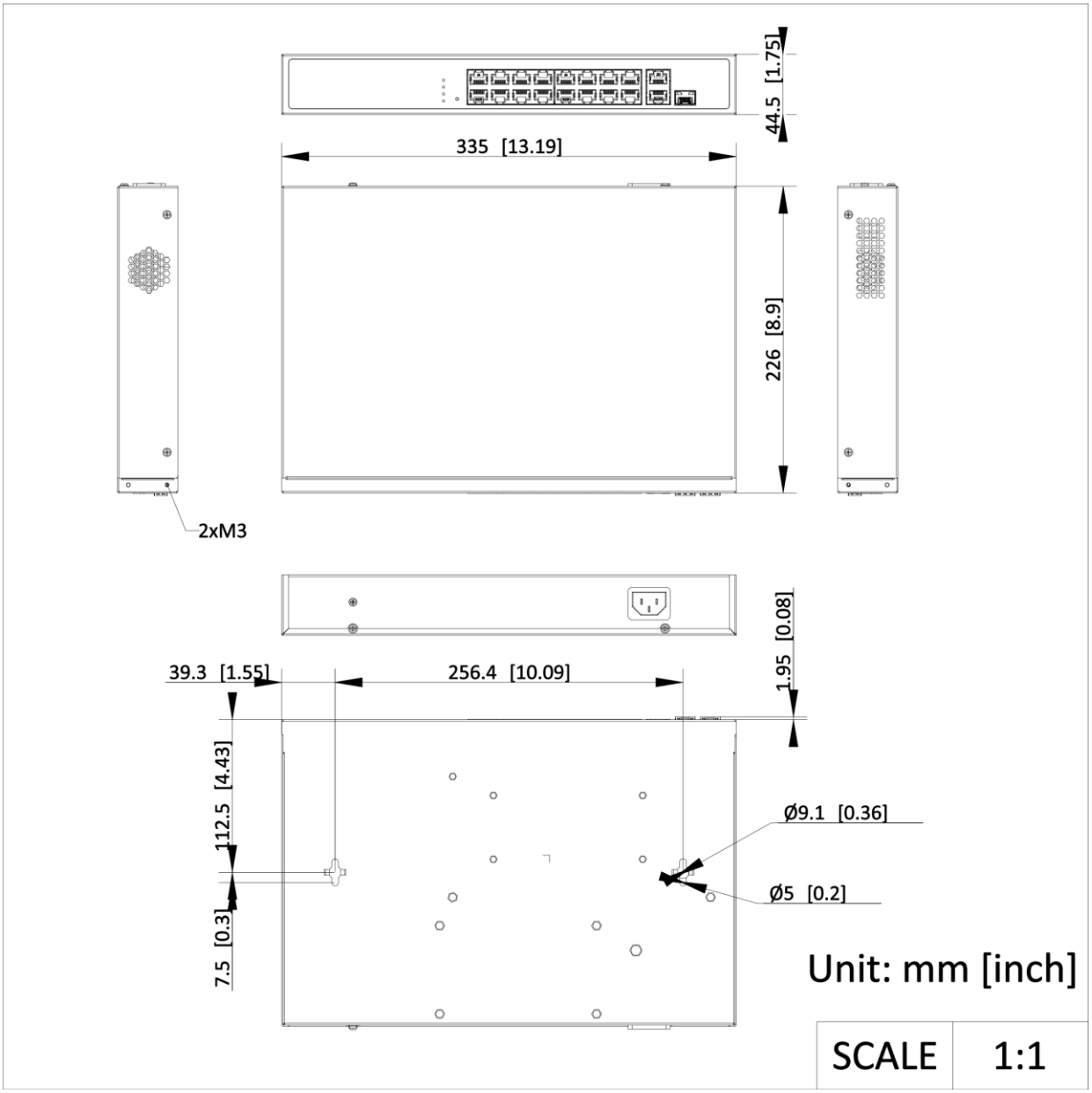
Rear Panel



No.	Indicator/Port	Description
①	G2 Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
②	G1/G1-F Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
③	LINK/ACT Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
④	PoE 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.
⑤	Reset Button	Press and hold the reset button for about five seconds to restore all the configurations of the switch to default settings.
⑥	10/100 Mbps PoE RJ45 Port	Used for connection to a PD via a network cable.
⑦	Gigabit Combo (G1/G1-F Port)	● When connected to a network cable, the combo is a RJ45 port. ● When plugged into with an optical module and connected to an optical fiber, the

		combo functions as a fiber optical port. ● When connected to both the network cable and optical fiber at the same time, the combo works as a fiber optical port.
⑧	PoE-MAX Indicator	● Solid on/Flashing: 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 does not supply power to a powered device (PD), or 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.
⑨	PWR Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply connected or power supply is abnormal.
⑩	Gigabit RJ45 Port (G2 Port)	Used for connection to another device via a network cable.
⑪	Power Supply	Use the attached AC power cord to connect the switch to a socket.
⑫	Grounding Terminal	Used for connection to a grounding cable to protect the switch from lightning.

▪ Dimension


44.5 [1.75]
335 [13.19]
226 [8.9]
2xM3
1.95 [0.08]
39.3 [1.55]
256.4 [10.09]
112.5 [4.43]
7.5 [0.3]
Ø9.1 [0.36]
Ø5 [0.2]
Unit: mm [inch]
SCALE
1:1

▪ Accessory

▪ Optional

HK-SFP-1.25G-20-1550 SFP Module	HK-SFP-1.25G-20-1310 SFP Module	HK-SFP-1.25G-1310-DF-MM SFP Module	HK-SFP-1.25G-20-1310-DF SFP Module
			

Headquarters
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
www.hikvision.com

Follow us on social media to get the latest product and solution information.

Hikvision HikvisionHQ HikvisionHQ Hikvision_Global Hikvision Corporate Channel hikvisionhq

© Hangzhou Hikvision Digital Technology Co., Ltd. Unless otherwise agreed, Hikvision makes no warranties, express or implied. We reserve the right to introduce modifications without notice.