# DS-3E1518P-EI
# 16-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 video security 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 x gigabit PoE RJ45 ports, 1 × gigabit RJ45 port, 1 x gigabit fiber optical port
- Total PoE power budget 230 W
- Unified cloud management for security systems
- Network topology at your fingertips
- Remote troubleshooting
- Visualized topology management
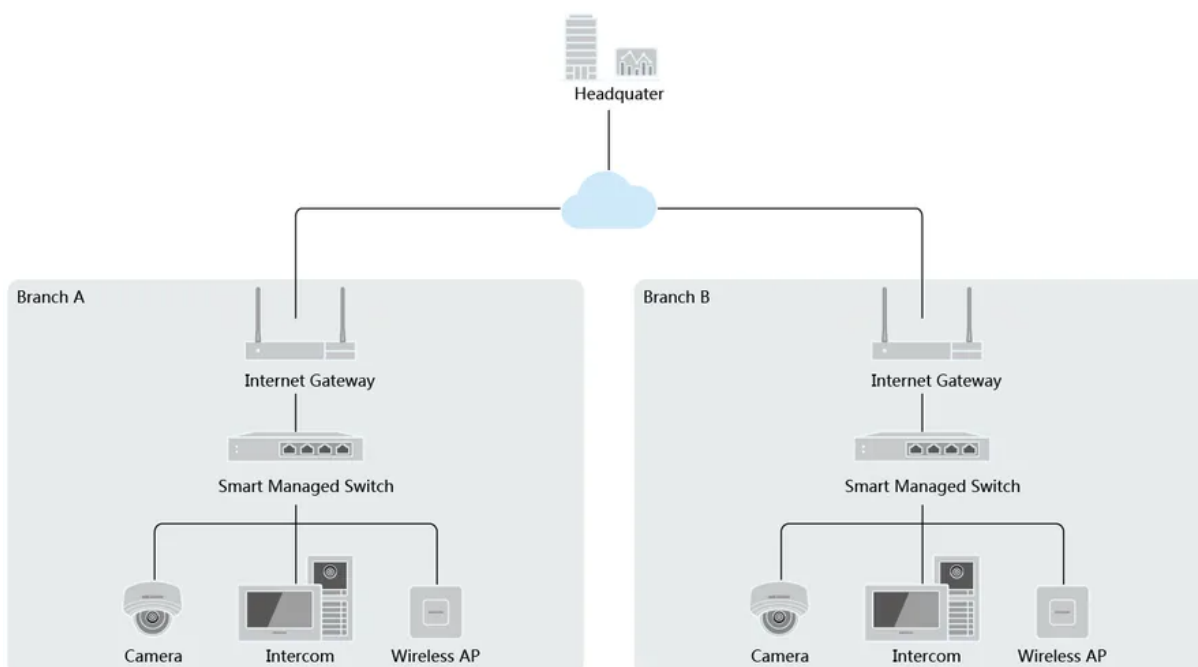- Up to 300 m long-range PoE transmission
- 6 kV surge protection

**HIKVISION**

### ▪ Specification

| Model | | DS-3E1518P-EI |
|---|---|---|
| **Network Parameters** | Ports | 16 × Gigabit PoE port,1 × Gigabit RJ45 port,1 × Gigabit fiber optical port |
| | Port Type | RJ45 port,full duplex,MDIMDI-X adaptive |
| | Standard | IEEE 802.3,IEEE 802.3ab,IEEE 802.3u,IEEE 802.3x,IEEE 802.3z |
| | Working Mode | Standard mode (default) |
| | MAC Address Table | 8 K |
| | Switching Capacity | 56 Gbps |
| | Packet Forwarding Rate | 41.66 Mpps |
| | Internal Cache | 4.1 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 | 230 W |
| **Software Function** | Device Maintenance | Remote upgrade, default parameters recovery, basic network parameters configuration, import and export configuration, time sync |
| | Port Configuration | Port rate configuration, slow control, and ports enabling |
| | PoE Watchdog | PoE watchdog: Ports 1 to 16 auto detect and restart the cameras that do not respond. |
| | Port Mirroring | Supported |
| | Link Aggregation | Static link aggregation supported for any four ports, and up to eight aggregation groups allowed |
| | Port Isolation | Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group. |
| | LLDP | LLDP protocol supported for global configuration and neighbour discovery |
| | DHCP | DHCP client |
| | MAC Address Table Display | Supported |
| | Super IP | 10.180.190.200 |
| | Cable Detection | Supported |
| | HPP | Supported |
| | Port Long-Range Mode | Supported |
| | Port Statistics | Supported |
| | Web Management | Supported |
| **General** | Shell | Metal material |
| | Net Weight | 2.85 kg (6.28 lb) |
| | Gross Weight | 3.05 kg (6.72 lb) |
| | Dimensions (W × H × D) | 440.0 mm × 220.8 mm × 44.0 mm (17.32'' × 8.69'' × 1.73'') |
| | 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. 4 A |

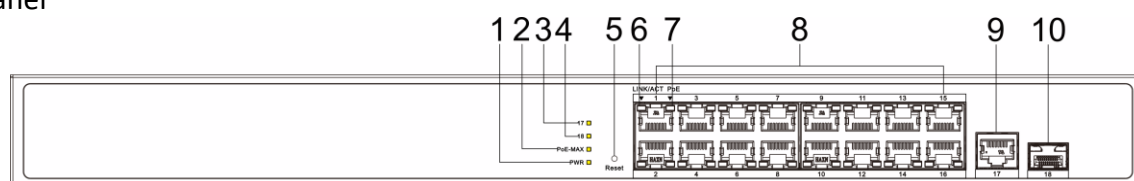| Approval | | |
|---|---|---|
| | Max. Power Consumption | 250 W |
| | Power Consumption in Idle | 20 W |
| | EMC | CE-EMC (EN 55032: 2015, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011 +A1: 2014, EN 55035: 2017); |
| | Safety | CB (IEC 60950-1:2005, AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition); CE-LVD (EN 60950-1: 2006 + A11: 2009 +A1: 2010+A12: 2011+A2: 2013, 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-3E1518P-EI

## ▪ Typical Application

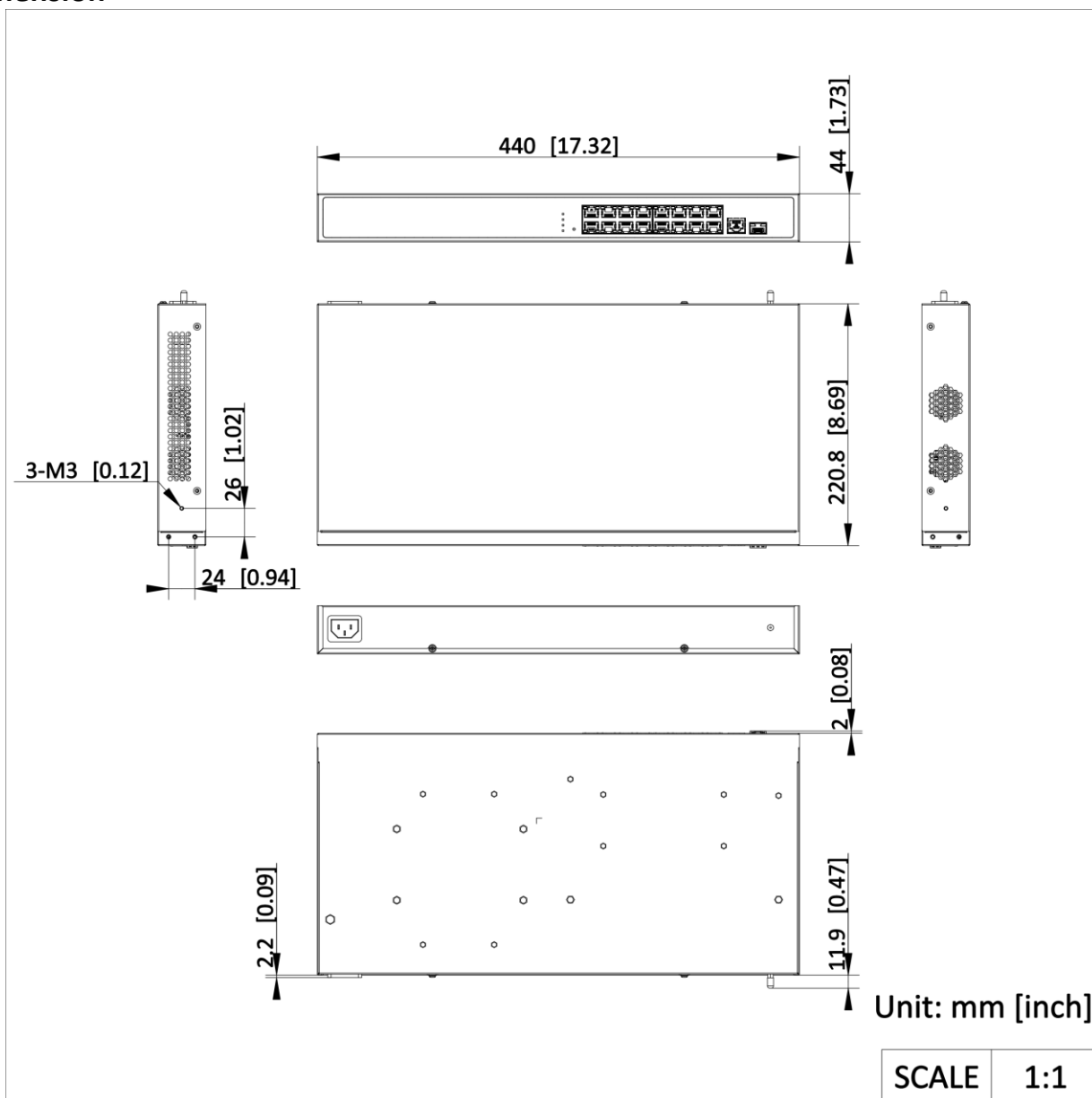## ▪ **Physical Interface**

Front Panel



Rear Panel



| No. | Indicator/Port | Description |
|---|---|---|
| 1 | PWR Indicator | ● Solid on: The switch is powered on normally.<br>● Unlit: No power supply is connected or power supply is abnormal. |
| 2 | 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.<br>● 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. (About 5 seconds after the output power of the switch returns to normal, the PoE-MAX indicator will be unlit.) |
| 3 | Gigabit RJ45 Port Indicator (Port 17) | ● Solid on: The port is connected.<br>● Flashing: The port is transmitting data.<br>● Unlit: The port is disconnected or connection is abnormal. |
| 4 | Gigabit SFP Fiber Optical Port Indicator (Port 18) | ● Solid on: The gigabit SFP fiber optical port is connected.<br>● Flashing: The gigabit SFP fiber optical port is transmitting data.<br>● Unlit: The gigabit SFP fiber optical port is disconnected or connection is abnormal. |
| 5 | Reset Button | Used for restoring all the configurations of the switch to the default settings. |
| 6 | LINK/ACT Indicator | ● Solid on: The port is connected.<br>● Flashing: The port is transmitting data.<br>● Unlit: The port is disconnected or connection is abnormal. |
| 7 | PoE Indicator | ● Solid on: The switch supplies power to a PD normally.<br>● Unlit: The switch is disconnected from a PD or power supply is abnormal. |
| 8 | Gigabit PoE RJ45 Port | Used for connection to a PD via a network cable. |
| 9 | Gigabit RJ45 Port (Port 17) | Used for connection to another device via a network cable. |
| 10 | Gigabit SFP Fiber Optical Port (Port 18) | Used for connection to another device via an optical fiber when plugged into with an optical module. |
| 11 | Grounding Terminal | Used for connecting to the grounding cable to protect the switch from lightning. |
| 12 | Power Supply | Use the attached power cord to connect the switch to a socket. |

## ▪ Dimension



440 [17.32]

44 [1.73]

220.8 [8.69]

3-M3 [0.12]

26 [1.02]

24 [0.94]

2 [0.08]

2.2 [0.09]

11.9 [0.47]

Unit: mm [inch]

| SCALE | 1:1 |

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