

## DS-3E05-E Series Unmanaged Gigabit Switch

### Features and Functions



#### DS-3E0508-E

- Compliant with IEEE802.3, IEEE802.3u, IEEE802.3ab Ethernet standard
- 8\*10/100/1000Mbps auto-negotiation RJ45 Ports
- Plug and play without configuration
- Up to 16 Gbps back panel bandwidth and supports non-blocking wire-speed forwarding
- LEDs to easily monitor link speed, activity and find problems in time
- IEEE802.3x full duplex flow control and half duplex backpressure flow control
- Loop detection and loop prevention
- Up to 4 kV lightning-proof for each port
- Desk & wall-mounting installation.
- Full-metal & larger shell ensure effective cooling

#### DS-3E0516-E & DS-3E0524-E

- Compliant with IEEE802.3, IEEE802.3u, IEEE802.3X, IEEE802.3ab Ethernet standards
- 16/24\*10/100/1000Mbps auto-negotiation RJ45 ports
- Auto MDI/MDIX
- 8K MAC address and MAC address learning
- IEEE 802.3x full duplex flow control, and Backpressure half duplex flow control
- 32 Gbps/48 Gbps backplane bandwidth for non-blocking line-speed forwarding
- LED indicators for indicating working status and troubleshooting
- Built-in power supply system with 4000V common mode and 4000V differentiate mode lightning immunity
- 1U standard height suitable for desktop and rack installation
- Ports all with 4000V common mode lightning immunity
- IP camera connection

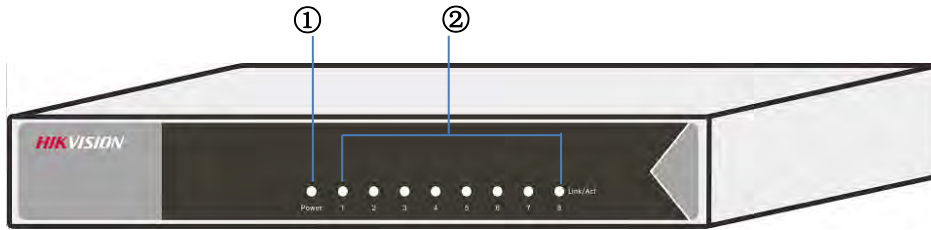


## Specifications

| Specifications                    |                |  |  |  |  |
|-----------------------------------|----------------|--|--|--|--|
| Product Model                     |                | DS-3E0508-E  | DS-3E0516-E  | DS-3E0524-E  |  |
| Network Standard                  |                | IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE 802.3x  |  |  |  |
| Transmission Speed                |                | Ethernet: 10 Mbps (Half Duplex) / 20 Mbps (Full Duplex)<br>Fast Ethernet: 100 Mbps (half-duplex)/200 Mbps (full-duplex)<br>Gigabit Ethernet: 2000 Mbps (full-duplex) |  |  |  |
| Transmission Medium               |                | Ethernet: CAT3 or better UTP/STP cable<br>Fast Ethernet: CAT5 or better UTP/STP cable<br>Gigabit Ethernet: CAT5E or CAT6 UTP/STP cable (recommended)                 |  |  |  |
| Ports                             |                | 8*10/100/1000Mbps<br>auto-negotiation RJ45<br>ports  | 16*10/100/1000Mbps<br>auto-negotiation RJ45<br>ports | 24*10/100/1000Mbps<br>auto-negotiation RJ45<br>ports |  |
| Port Type                         | Port loopguard | Supported  |  |  |  |
|                                   | Uplink port    | Port 8   | Port 15 and Port 16                                  | Port 23 and Port 24                                  |  |
| Lightning-proof Ranking           | RJ45 port      | 4 kV   | 4 kV   |  |  |
|                                   | Power source   | 2 kV   | 4 kV   |  |  |
| LED Indicator                     |                | 1 * power LED<br>8 * Link/Act LED  | 1 * power LED<br>16 * Link/Act LED                   | 1 * power LED<br>24 * Link/Act LED                   |  |
| Dimensions (L*W*H)                |                | 186.7mm×106.7mm×<br>33.3mm   | 440mm×178.8mm×44mm                                   |  |  |
| Store-and-forward                 |                | Supported  |  |  |  |
| MAC address table                 |                | 4 k  | 8 k  |  |  |
| MAC address learning              |                | Automatic learning/Aging   |  |  |  |
| Package filtering/Forwarding rate |                | Ethernet: 14881 pps one port<br>Fast Ethernet: 148810 pps one port<br>Gigabit Ethernet: 1488100 pps one port   |  |  |  |
| Backplane bandwidth               |                | 16 Gbps  | 32 Gbps  | 48 Gbps  |  |
| Power supply                      |                | Input: 100-240 V AC,<br>50/60 Hz, 0.3 A<br>Output: 9 V DC, 1 A   | Input: 100-240 V AC, 50/60 Hz                        |  |  |
| Power consumption                 |                | ≤5.5w  | ≤12w   | ≤18w   |  |
| Operating temperature             |                | 0°C - 40°C   |  |  |  |
| Operating humidity                |                | (10-90) % RH, non-condensing   |  |  |  |
| Storage temperature               |                | -40°C – 70°C   |  |  |  |
| Storage humidity                  |                | (5-90) % RH, non-condensing  |  |  |  |

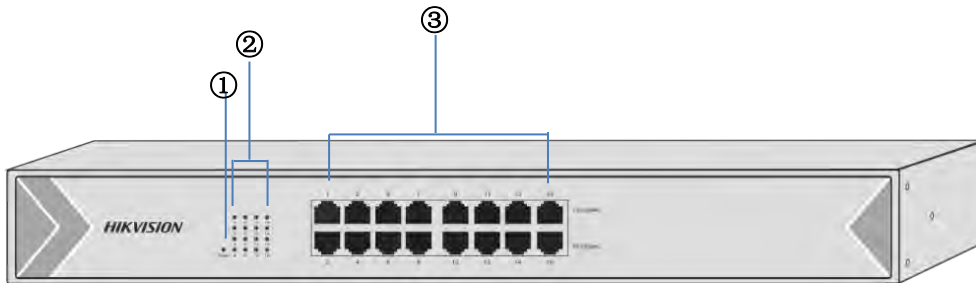
## Appearance

### Front Panel



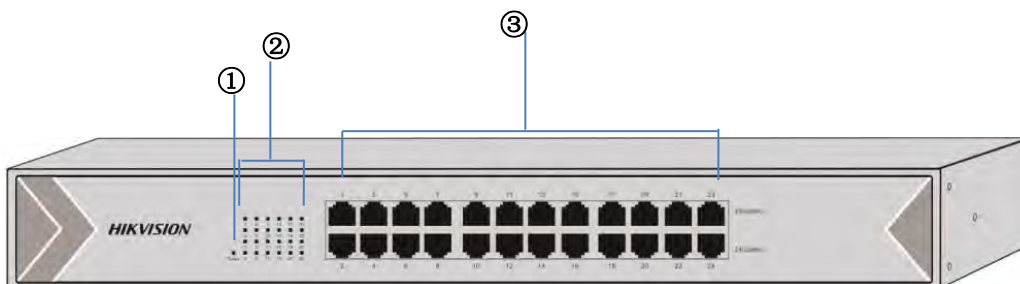
**DS-3E0508-E**

| Index | Description         | Index | Description            |
|-------|---------------------|-------|------------------------|
| 1     | Power LED Indicator | 2     | Link/Act LED Indicator |



**DS-3E0516-E**

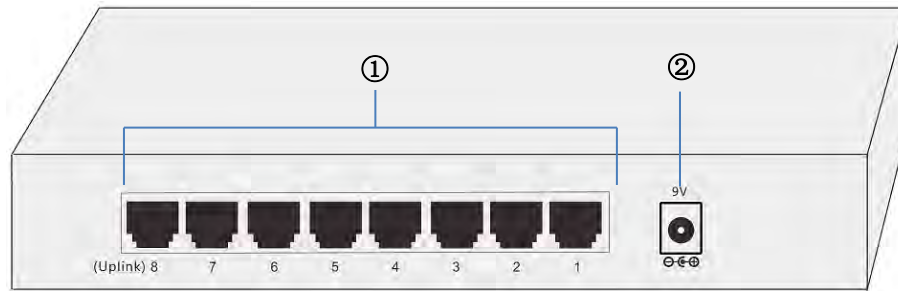
| Index | Description            | Index | Description |
|-------|------------------------|-------|-------------|
| 1     | Power LED Indicator    | 3     | RJ45 Port   |
| 2     | Link/Act LED Indicator |       |             |



**DS-3E0524-E**

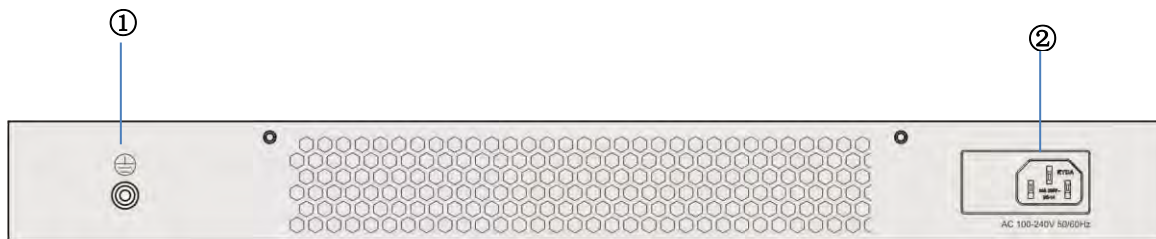
| Index | Description            | Index | Description |
|-------|------------------------|-------|-------------|
| 1     | Power LED Indicator    | 3     | RJ45 Port   |
| 2     | Link/Act LED Indicator |       |             |

## Rear Panel



DS-3E0508-E

| Index | Description | Index | Description |
|-------|-------------|-------|-------------|
| 1     | RJ45 Port   | 2     | Power Jack  |



DS-3E0516-E & DS-3E0524-E

| Index | Description        | Index | Description |
|-------|--------------------|-------|-------------|
| 1     | Grounding Terminal | 2     | Power Jack  |

Distributed by

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