

DS-3E0510HP-E**10-Port Gigabit Unmanaged Hi-PoE Switch**

DS-3E0510HP-E switches are layer 2 Hi-PoE switches, providing advanced PoE power supply technology and Gigabit networks design on the basis of high-performance access to ensure stable data upload. The switches support Hi-PoE, long range, port isolation, and PoE watchdog function.

**Key Feature**

- 6 × gigabit PoE ports, 2 × gigabit Hi-PoE ports, 1 × gigabit RJ45 port, and 1 × gigabit fiber optical port.
- IEEE 802.3at/af/bt standard for Hi-PoE ports (Max. 90 W PoE output).
- IEEE 802.3at/af standard for PoE ports (Max. 30 W PoE output).
- IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z standard.
- 6 KV surge protection for PoE ports.
- Up to 300 m long-range transmission.
- PoE watchdog to auto detect and restart the cameras that do not respond.
- Port isolation to improve network security.
- Gigabit network access design.
- Wire-speed forwarding.
- Store-and-forward switching.
- Solid high-strength metal shell.
- Reliable fan-free design.

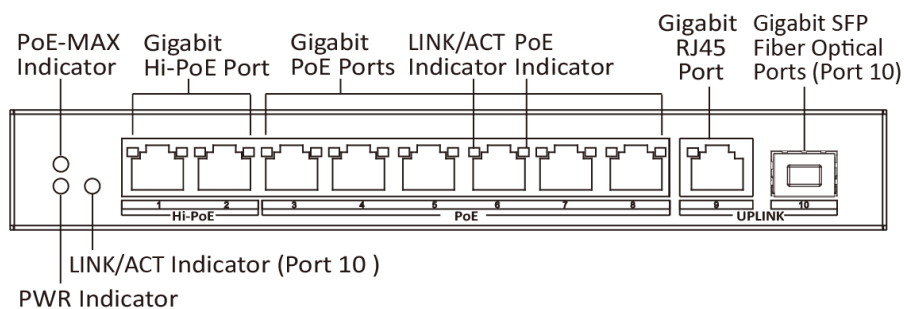


Specification

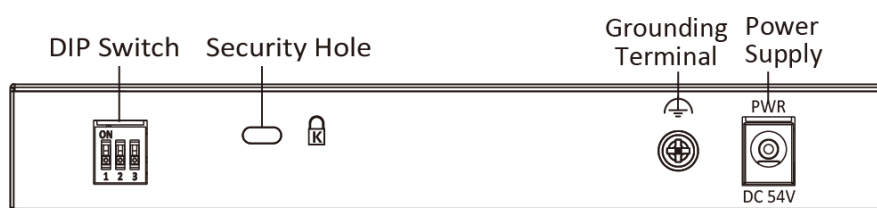
| Model | | DS-3E0510HP-E |
|--------------------|--------------------------------------|---|
| Network parameters | Port number | 6 × gigabit PoE ports, 2 × gigabit Hi-PoE ports, 1 × gigabit RJ45 port, and 1 × gigabit fiber optical port |
| | Port type | RJ45 port, full duplex, MDI/MDI-X adaptive |
| | Standard | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z |
| | Forwarding mode | Store-and-forward switching |
| | Working mode | Standard mode (default), Extend mode, Isolation mode, PoE watchdog mode |
| | Ports for long-distance transmission | Ports 7 and 8 |
| | MAC address table | 4 K |
| | Switching capacity | 20 Gbps |
| | Packet forwarding rate | 14.88 Mpps |
| | Internal cache | 1.5 Mbits |
| PoE power supply | PoE standard | Ports 1 and 2: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt Ports 3 to 8: IEEE 802.3af, IEEE 802.3at |
| | PoE power pin | Ports 3 to 6: Ethernet cables 1/2/3/6 provide power supply. Ports 1, 2, 7 and 8: Ethernet cables 1/2/3/6 and 4/5/7/8 provide power supply simultaneously. |
| | PoE port | Ports 1 to 8 |
| | Hi-PoE port | Ports 1 and 2 |
| | Max. port power | Ports 1 and 2: 90 W Ports 3 to 8: 30 W |
| | PoE power budget | 110 W |
| Dialing function | Long range | Ports 7 and 8: up to 300 m; and the speed rate of the port is 10 Mbps. |
| | Port isolation | Ports 1 to 8: port isolation mode to improve network security. |
| | PoE watchdog | Ports 1 to 8: auto detect and restart the cameras that do not respond. |
| General | Shell | Metal material, fan-free design |
| | Net Weight | 0.59 kg (1.30 lb) |
| | Dimension (L × H × D) | 217.6 mm × 108.55 mm × 27.8 mm (8.57" × 4.27" × 1.09") |
| | Operating temperature | -10 °C to 40 °C (14 °F to 104 °F) |
| | Storage temperature | -40 °C to 85 °C (-40 °F to 185 °F) |
| | Operating humidity | 5% to 95% (no condensation) |
| | Storage humidity | 5% to 95% (no condensation) |
| | Power supply | 54 VDC, 2.22 A |
| | Power consumption in idle | < 10 W |
| | Max. power consumption | 120 W |
| | Power source | 120 W |
| Approval | EMC | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55024: 2010 +A1: 2015); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016) |
| | Safety | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013) |
| | Chemistry | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) |

Physical Interface

Front panel:



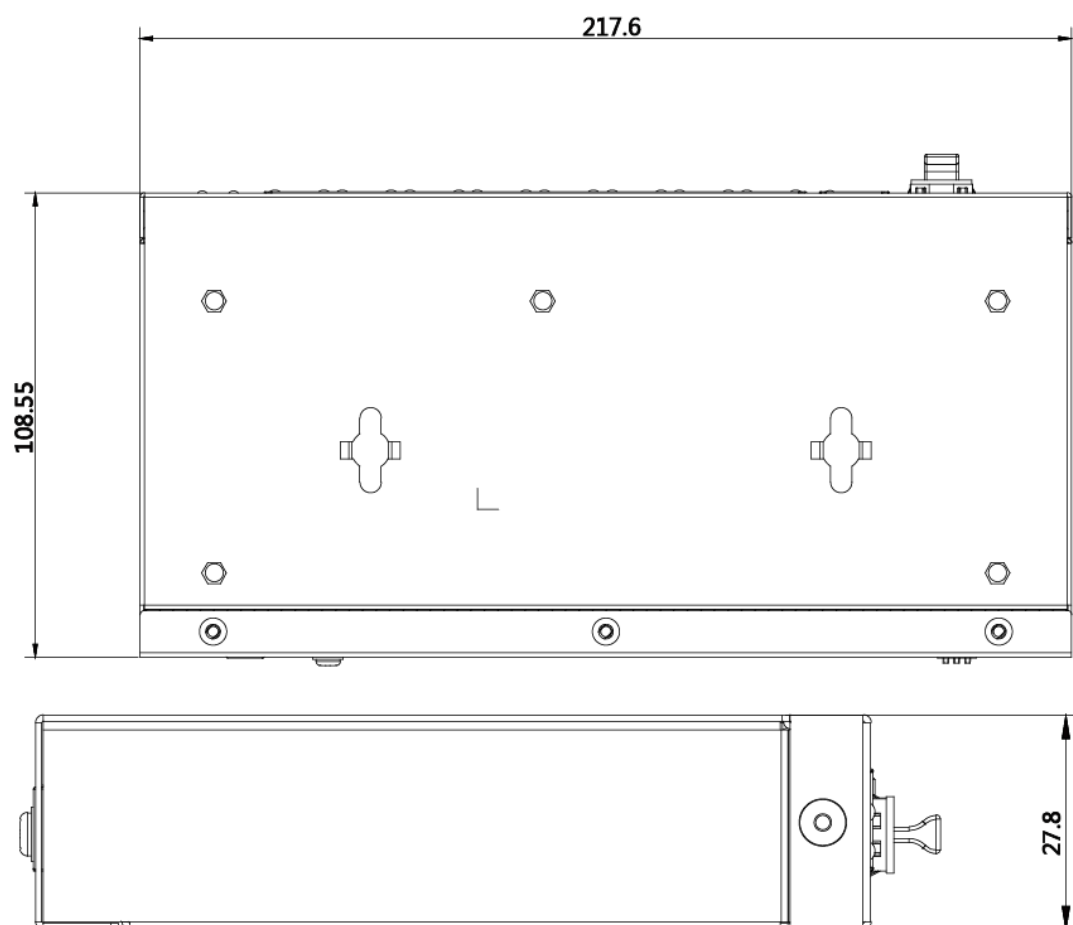
Back panel:



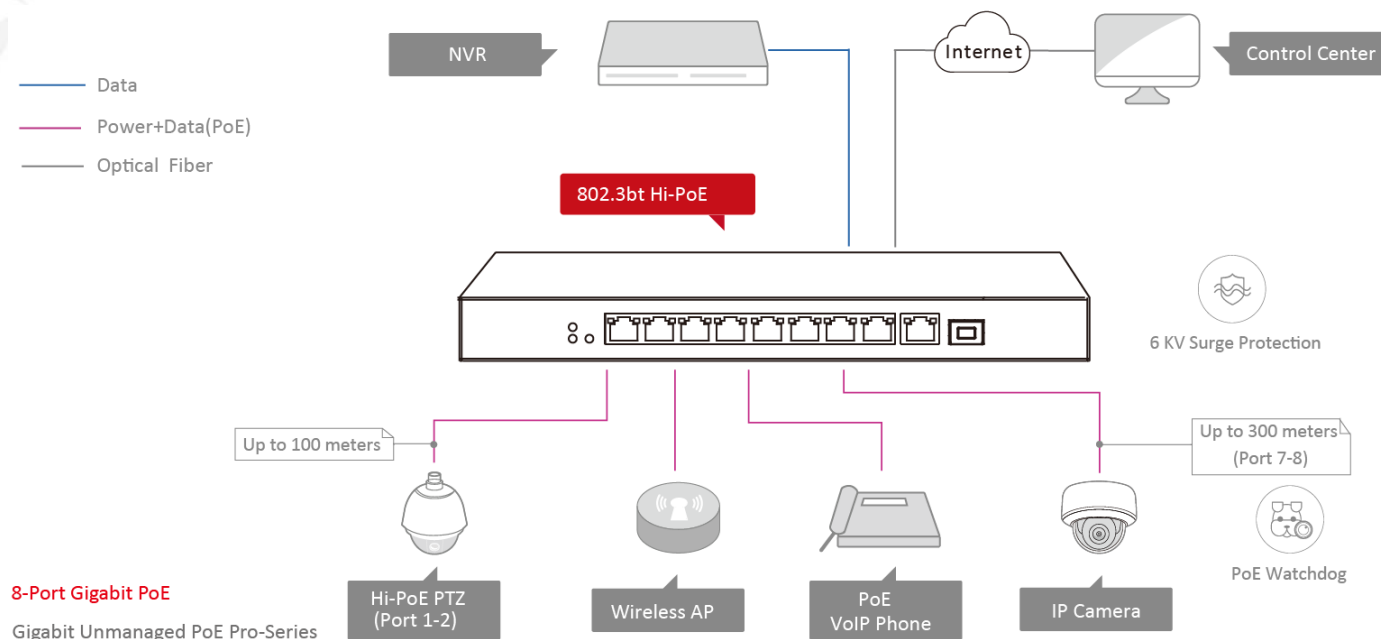
Available Model

DS-3E0510HP-E

Dimension (unit: mm)



Typical Application



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