DS-3E0106HP-E
4-Port 100 Mbps Long-Range Unmanaged PoE Switch

DS-3E0106HP-E switches are layer 2 100 Mbps long-range PoE switches, providing 1 × 10/100 Mbps Hi-PoE port, 3 × 10/100 Mbps PoE ports, and 2 × 10/100 Mbps RJ45 ports. The switches provide advanced Hi-PoE/PoE technology and support extend mode with long-range access up to 300 m. The prior and stable transmission of the important surveillance area videos can also be guaranteed when connected to the high priority ports. Meanwhile, the 2 × 10/100 Mbps RJ45 uplink ports guarantee applications of multiple network solutions.

| Intelligent PoE | 300 m Transmission | 802.3bt Hi-PoE | 8-Core Power Supply | 6 KV Surge Protection | High Priority Ports |

Feature and Function

Intelligent PoE Management.

• When the power supply exceeds the limit, PoE ports intelligently manage the power supply, which extends the switch lifetime.

Up to 300 m Long Range PoE Transmission.

• The distance between IPCs and switch can reach maximum 300 meters.

IEEE 802.3bt Standard Hi-PoE, Max. 60 W for One Port.

• IEEE 802.3bt standard Hi-PoE port provides max. 60 W power supply for high power devices such as domes or other 802.3bt devices.

4/8-Core Adaptive Power Supply with Less Power Loss.

• 8-core power supply reduces the power loss on cables.

6KV Surge Protection to Improve Reliability in Harsh Environment.

• The built-in surge protection device protects the switch from the sudden lightning surge in harsh environment.

Design for Video Transmission.

• VIP port ensures important data transmission when network congestion occurs.
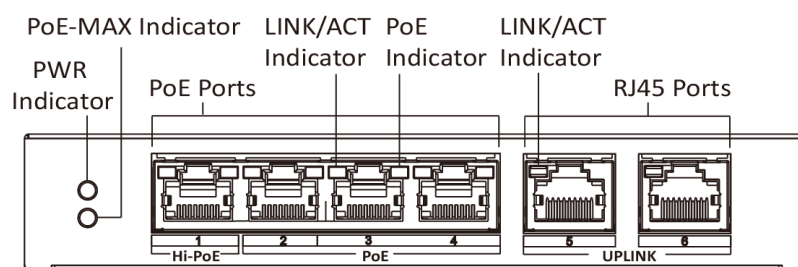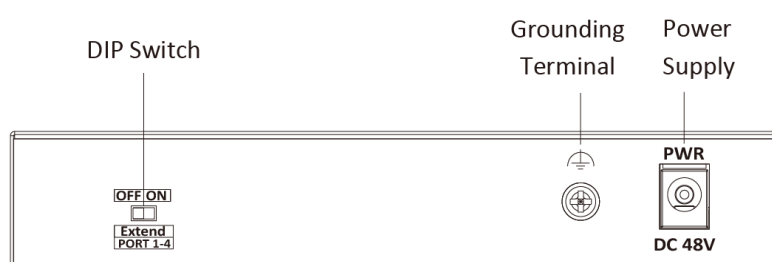
Specification

Model		DS-3E0106HP-E
Network parameters	Port number	1 × 10/100 Mbps Hi-PoE port, 3 × 10/100 Mbps PoE ports, and 2 × 10/100 Mbps RJ45 ports
	Port type	RJ45 port, full duplex, MDI/MDI-X adaptive
	Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
	Forwarding mode	Store-and-forward switching
	Working mode	Standard mode (default); Extend mode
	High priority port	Ports 1 to 2
	Ports for long-distance transmission	Ports 1 to 4
	MAC address table	2 K
	Switching capacity	1.2 Gbps
	Packet forwarding rate	0.893 Mpps
	Internal cache	768 Kbits
PoE power supply	PoE standard	Port 1: IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt Ports 2 to 4: IEEE 802.3af, IEEE 802.3at
	PoE power pin	Support 8-core power supply, Ethernet cable 1/2/3/6 and 4/5/7/8 provide power supply simultaneously.
	PoE port	Ports 1 to 4
	Max. port power	Port 1: 60 W Ports 2 to 4: 30 W
	PoE power budget	60 W
	Max. power consumption	65 W
General	Shell	Metal material, fan-free design
	Gross weight	0.77 kg (1.70 lb)
	Net weight	0.24 kg (0.53 lb)
	Dimension (L × H × D)	145 mm × 25.6 mm × 68.45 mm (5.7" × 1.0" × 2.7")
	Operating temperature	-10 °C to 55 °C (14 °F to 131 °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	48 VDC, 1.35 A
	Power consumption in idle	5 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:

PoE-MAX Indicator   LINK/ACT   PoE   LINK/ACT
Indicator   Indicator   Indicator

PWR
Indicator   PoE Ports   RJ45 Ports

```
      1        2        3        4           5           6
   Hi-PoE           PoE                    UPLINK
```

Back panel:

DIP Switch   Grounding   Power
                              Terminal   Supply

```
                                              PWR
 OFF ON
                                              (◎)
 Extend
 PORT 1-4                                    DC 48V
```

Available Model

DS-3E0106HP-E

Dimension (unit: mm)

145

25.6

68.45

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Typical Application

Data
Power+Data(PoE)

Internet

Router

NVR

802.3bt Hi-PoE

Dual uplink ports for CCTV scenario

Up to 300 meters (Port 1-4)

Hi-PoE PTZ (port 1)

IP Camera

6 KV Surge Protection
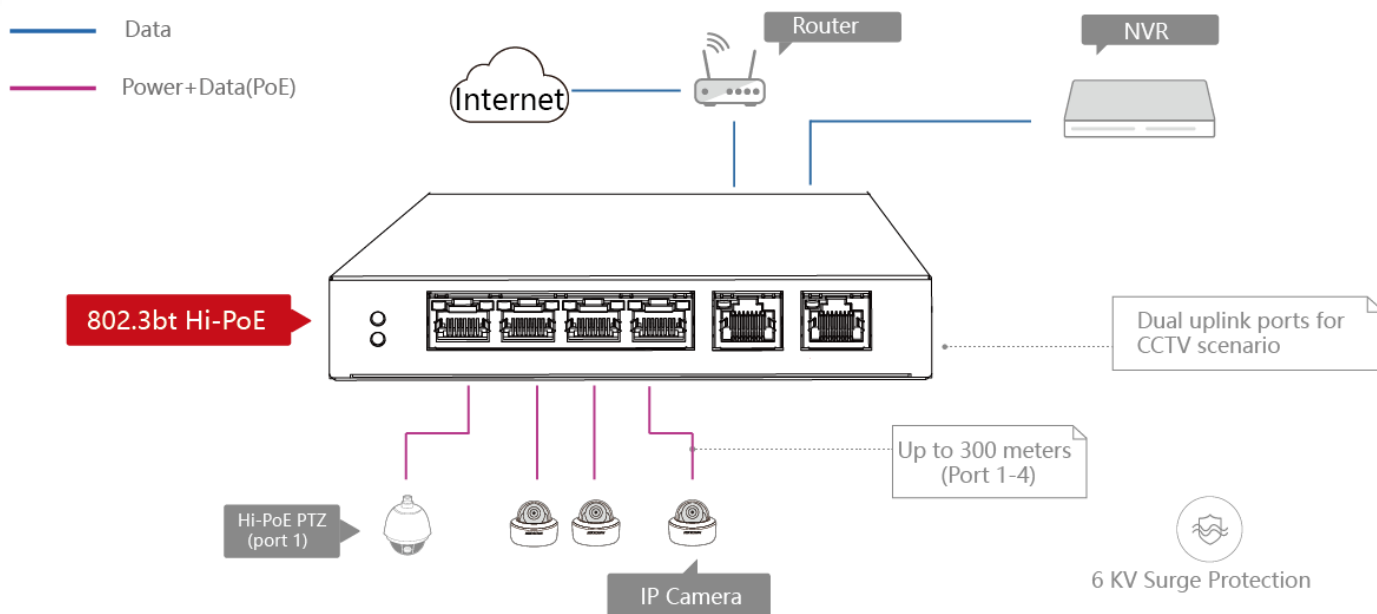
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