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.

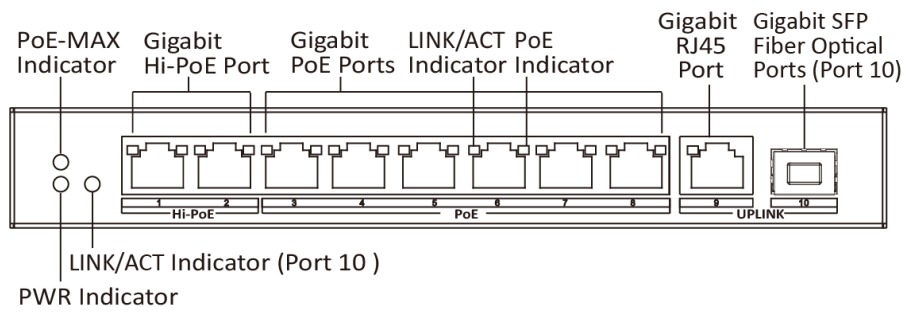・Solid high-strength metal shell.
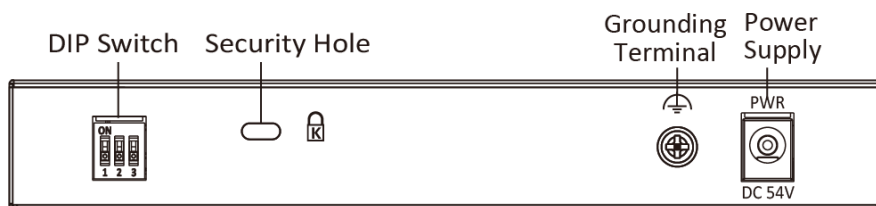
・Reliable fan-free design.

Specification

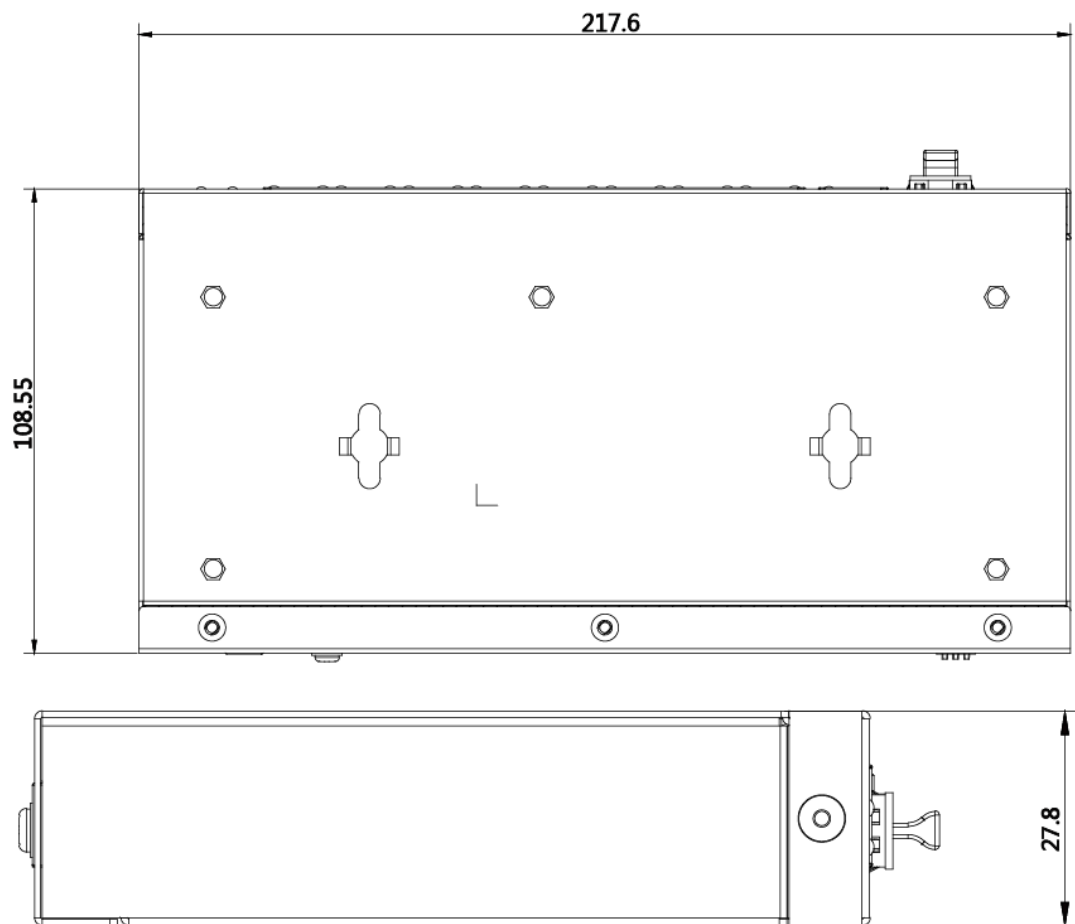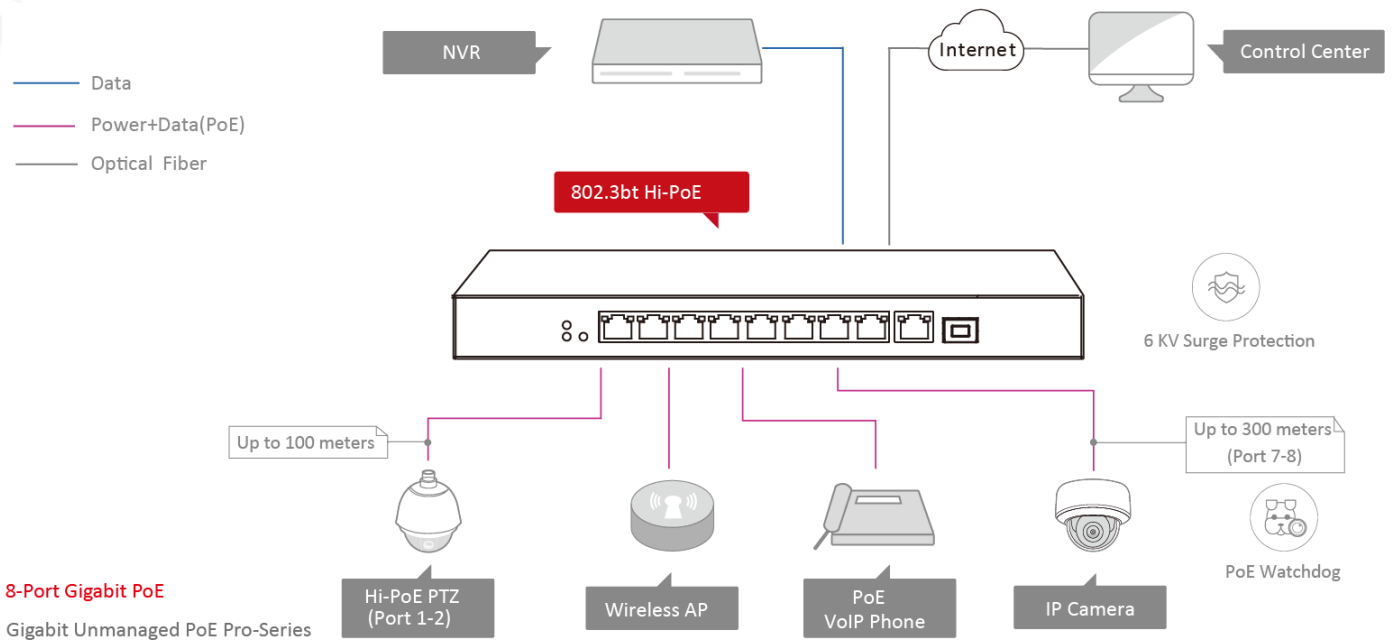| Model		DS-3E0510HP-E
Network parameters	Port number	6 × gigabit PoE ports, 2 × gigabit Hi-PoE ports, 1 × gigabit RJ45 port, and 1 × gigabit fiber optical port
	Port type	RJ45 port, full duplex, MDI/MDI-X adaptive
	Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, and IEEE 802.3z
	Forwarding 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

Data
Power+Data(PoE)
Optical Fiber

NVR

Internet

Control Center

802.3bt Hi-PoE

6 KV Surge Protection

Up to 100 meters

Up to 300 meters
(Port 7-8)

8-Port Gigabit PoE

Gigabit Unmanaged PoE Pro-Series

Hi-PoE PTZ
(Port 1-2)

Wireless AP

PoE
VoIP Phone

IP Camera

PoE Watchdog

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