

## DS-3E1518P-SI

### Smart Managed 16-Port Gigabit PoE Switch

Smart managed switches are developed by Hikvision, featuring in easy management and maintenance. You can easily deploy, monitor and expand your 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.



- 10/100/1000 Base-T Network Interface
- 16 × gigabit PoE ports, and 2 × gigabit fiber optical ports.
- IEEE 802.3at/af standard for PoE ports.
- Network topology management, alarm push, network health monitor.
- 6 KV surge protection for PoE ports.
- AF/AT camera can reach up to 300 m in extend mode.
- PoE watchdog to auto detect and restart the cameras that do not respond.
- Various layer 2 management protocols such as STP/RSTP, VLAN, link aggregation, SNMP, QoS and so on.



## ▪ Specification

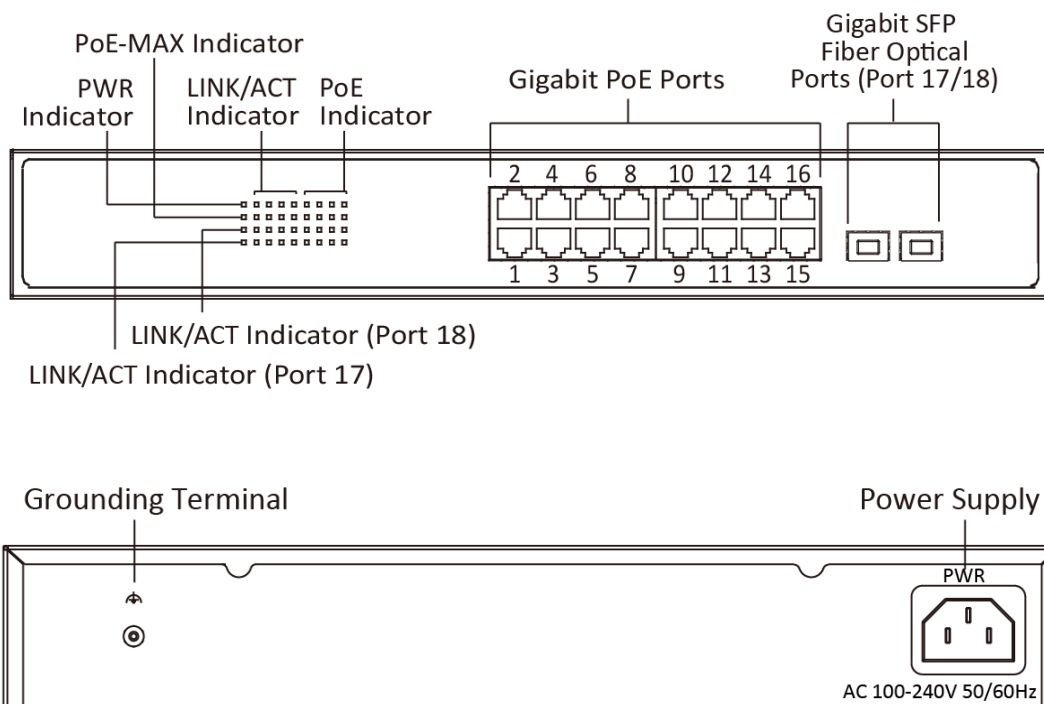
Model		DS-3E1518P-SI
<b>PoE Power Supply</b>	PoE Standard	IEEE 802.3af, IEEE 802.3at
	PoE Power Pin	End-span: 1/2(-), 3/6(+) Mid-span: 4/5(+), 7/8(-) 8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
	PoE Port	PoE: Ports 1 to 16
	Max. Port Power	Port 1 to 16: 30 W
	PoE Power Budget	225 W
<b>Network Parameters</b>	Port Number	16 × gigabit PoE port, and 2 × gigabit fiber optical port(SFP)
	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
	MAC Address Table	8 K
	Switching Capacity	36 Gbps
	Packet Forwarding Rate	26.784 Mpps
	Internal Cache	4.1 Mbits
<b>Software Function</b>	Device Maintenance	Remote upgrade, default parameters recovery, logs viewing, basic network parameters configuration, import and export configuration, time sync, support web management
	Port Configuration	Port rate configuration, flow control, and ports enabling
	Long Range	Up to 300 m transmission
	PoE Configuration	PoE watchdog: Ports 1 to 16 auto detect and restart the cameras that do not respond. PoE enabling: Support
	Port Rate-Limiting	Rate-limiting for ingress and egress ports
	Storm Control	Storm control of unknown unicast, multicast and broadcast
	Port Mirroring	Support
	Link Aggregation	Static link aggregation supported
	Port Isolation	Ports in isolation group cannot communicate with each other.
	QoS	WRR and SP scheduling and port priority
	VLAN	4094 VLANs
	STP	STP and RSTP protocols
	SNMP	SNMPv1 and SNMPv2c supported for obtaining node information of the system and interfaces
LLDP	LLDP protocol supported for port configuration, global configuration and neighbor discovery	
<b>General</b>	Shell	Metal material
	Net Weight	2.735 kg (6.03 lb)
	Gross Weight	3.31 kg (7.30 lb)
	Dimension (W × H × D)	440 mm × 44 mm × 220.8 mm (17.32" × 1.73" × 8.69")

	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)
	Relative Humidity	5% to 95% (no condensation)
	Power Supply	100 to 240 VAC, 50/60 Hz, Max. 4 A. 250 W
	Max. Power Consumption	250 W
	Power Consumption in Idle	25 W
<b>Approval</b>	EMC	FCC (47 CFR Part 15, Subpart B); 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); IC (ICES-003: Issue 6); RCM (AS/NZS CISPR 32: 2015)
	Safety	UL (UL 60950-1); 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

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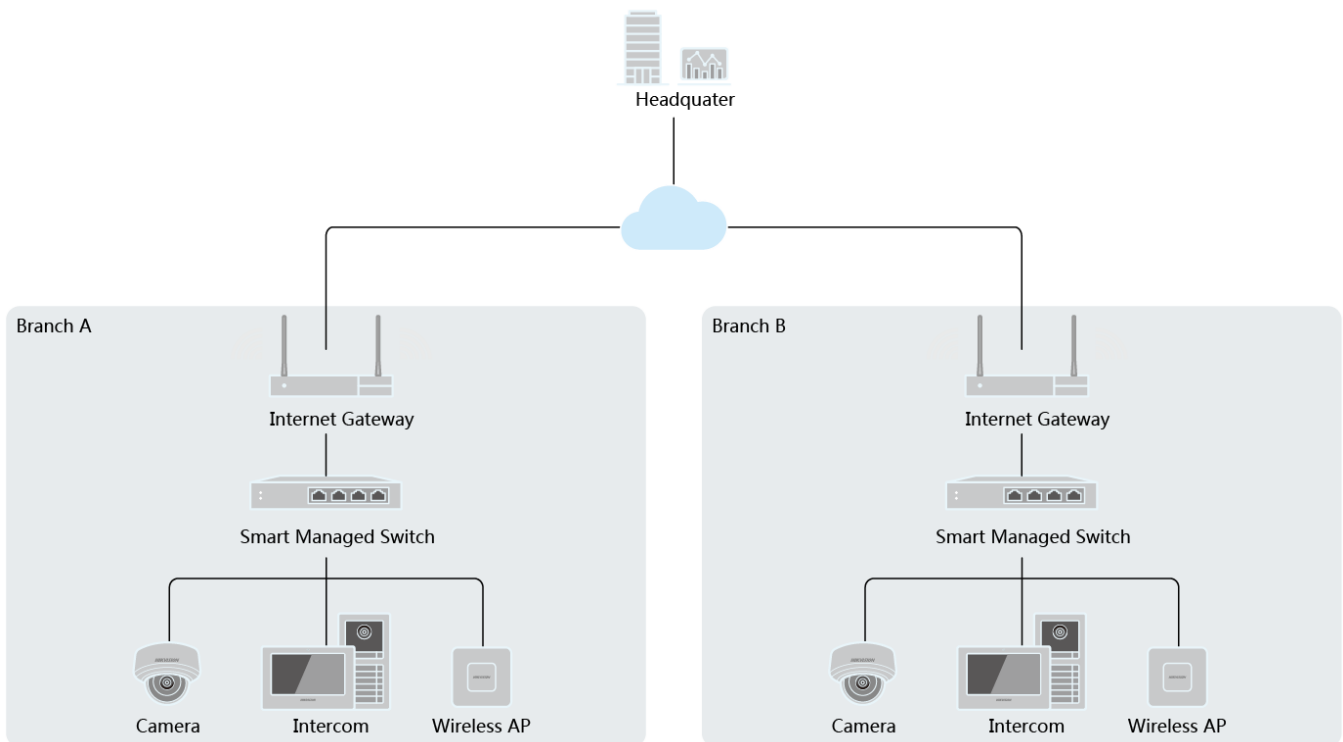
## ▪ Physical Interface



▪ Dimension (unit: mm)



## ▪ Typical Application



Distributed by



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