

**DS-3E1516-EI**  
**16 Port Gigabit Smart Switch**

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

- 16 × gigabit RJ45 ports.
- Gigabit network access design.
- Network topology management, alarm push, network health monitor.
- Solid high-strength metal shell.
- Reliable fan-free design.

## ▪ Specification

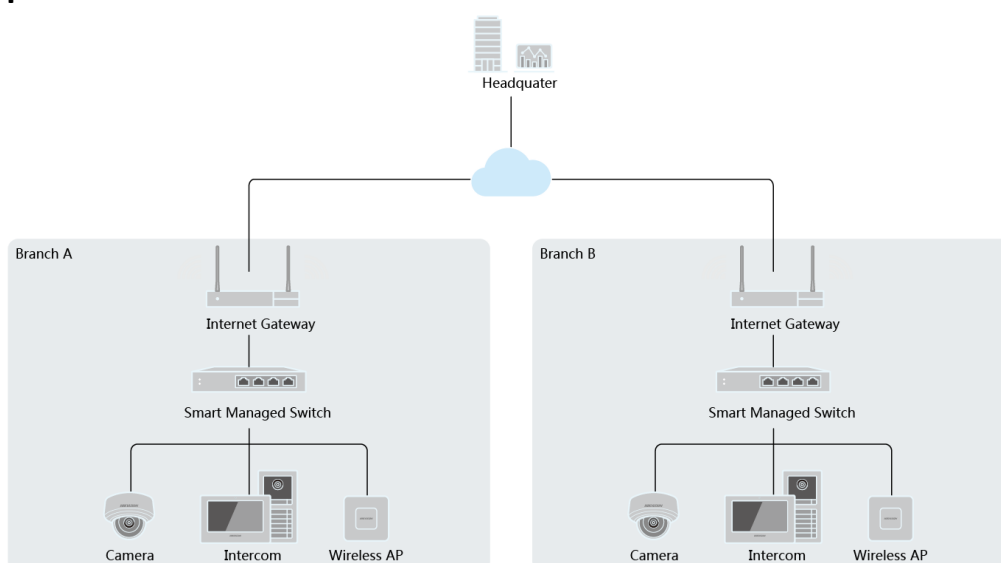
General	
Shell	Metal material
Net Weight	1.12 kg (2.47 lb)
Gross Weight	1.96 kg (4.32 lb)
Dimensions (W × H × D)	257.00 mm × 44.50 mm × 175.80 mm (10.12" × 1.75" × 6.92")
Operating Temperature	0 °C to 45 °C (0 °F to 113 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Operating Humidity	5% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	220 V AC, 50/60 Hz, Max. 0.3 A
Installation Mode	Rack (equipped with mounting ears)
Max. Power Consumption	12 W
Power Consumption in Idle	10 W
Surge Protection	6 kV
Network Parameters	
Ports	16 × Gigabit RJ45 port
MAC Address Table	8 K
Switching Capacity	56 Gbps
Packet Forwarding Rate	41.66 Mpps
Internal Cache	4.1 Mbits
Software Function	
Port Isolation	Ports 1 to 16: port isolation mode to improve network security Ports in an isolation group cannot communicate with each other, but they can communicate with ports outside the isolation group.
Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Support 802.1w RSTP.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 32 VLAN.
HPP	Support one-click activation and remote management via Hik-Partner Pro. Functions supported: 1. Display the port rate. 2. Display the port bandwidth utilization rate. 3. Display topology information. 4. Display the alarm status. 5. Restart ports and devices. 6. Remotely upgrade the device.

System Maintenance	<p>Support device management via web.</p> <p>Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses.</p> <p>Support Super IP, which is a fixed IP address (10.180.190.200) for direct access.</p> <p>Support management via Hik-Central Pro.</p> <p>Support remote management via Hik-Partner Pro.</p> <p>Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected.</p> <p>Support 802.1ab LLDP for peer device discovery.</p> <p>Support SNMP v1/v2c for third-party management platform access.</p> <p>Support port mirroring for fault locating.</p>
Link Aggregation	<p>Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection.</p> <p>Support static link aggregation.</p> <p>Support 1 aggregation group.</p>
<b>Approval</b>	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	WEEE (2012/19/EU), Reach (Regulation (EC) No.1907/2006), CE-RoHS (2011/65/EU)

### ▪ Available Model

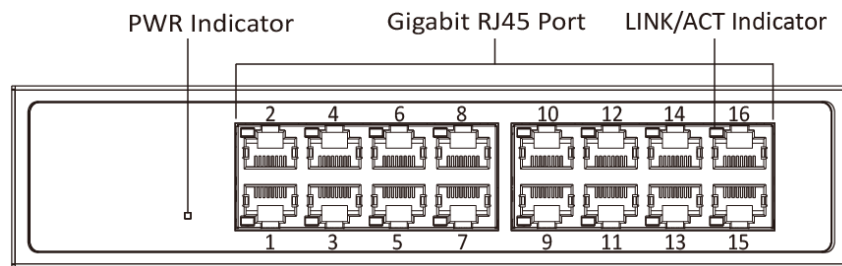
- DS-3E1516-EI
- DS-3E1516-EI V2
- DS-3E1516-EI V3

### ▪ Typical Application

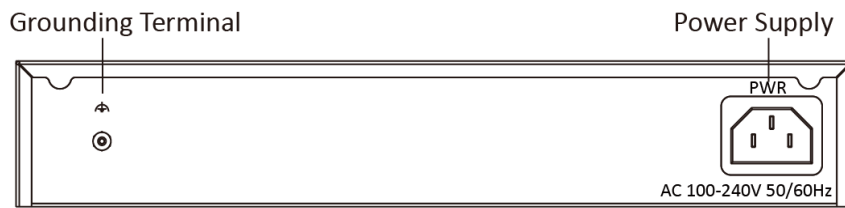


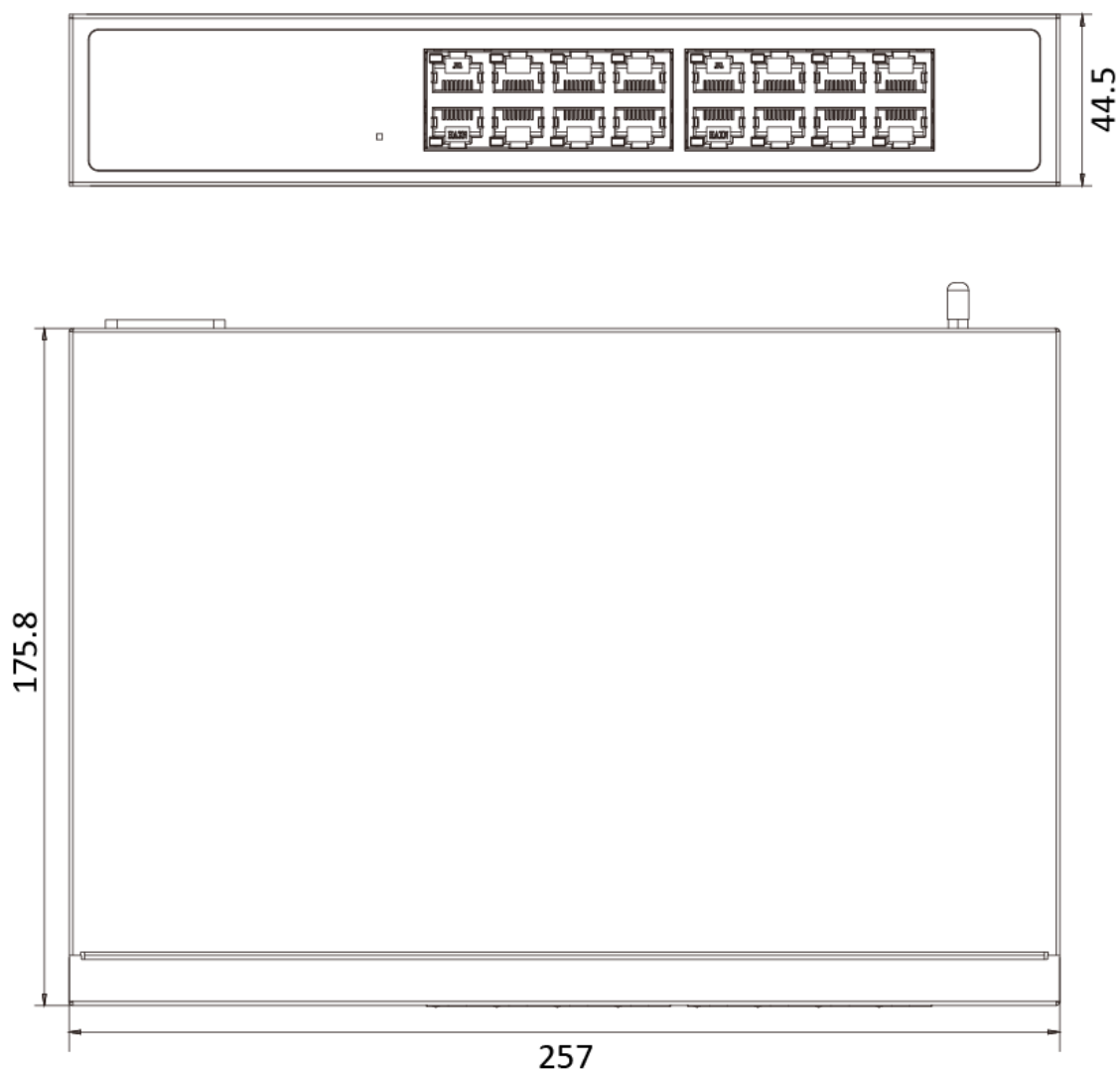
▪ Physical Interface

Front Panel



Rear Panel



**Dimension (Unit: mm)****Headquarters**

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