DS-3T1510P-SI-FLT
Flat Industrial PoE Switch



The device is a smart managed industrial flat PoE switch developed by Hikvision, integrating PoE power supply technology on the basis of network access to ensure stable data transmission. It features 8 gigabit PoE RJ45 ports and 2 gigabit SFP fiber optical ports, along with dual power inputs for enhanced system reliability.

- 8 x Gigabit RJ45 port,2 x Gigabit fiber optical port
- Support DHCP snooping
- Support 802.1Q VLAN
- Support ACL List
- Support STP/ERPS loop prevention, storm control
- Support ARP Anti-Spoofing
- Support SNMP, QoS
- Wider Temperature (-40 °C to 75 °C) Design

▪ Specification

General	
Shell	Metal material
Net Weight	0.58 kg (1.27 lb)
Gross Weight	0.64 kg (1.41 lb)
Dimensions (W × H × D)	180.00 mm × 25.00 mm × 134.00 mm (7.08'' × 0.98'' × 5.27'')
Operating Temperature	-40 °C to 75 °C (-40 °F to 167 °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	48-57 V, 7.5 A
Installation Mode	Desk-Mounted,Rail,Wall-Mounted
Max. Power Consumption	250 W
Power Consumption in Idle	10 W
Surge Protection	2 kV
Network Parameters	
Ports	8 × Gigabit PoE port,2 × Gigabit fiber optical port
MAC Address Table	8 K
Switching Capacity	Whole-Device Performance: 20 Gbps Port Performance: 20 Gbps
Packet Forwarding Rate	Whole-Device Performance: 14.88 Mpps Port Performance: 14.88 Mpps
Internal Cache	4.1 Mbits
PoE Power Supply	
PoE Standard	IEEE 802.3at,IEEE 802.3af
PoE Power Pin	End-span: 1/2(-), 3/6(+)
PoE Port	PoE: Ports 1 to 8
Max. Port Power	30 W
PoE Power Budget	240 W
Software Function	
Long Range	Ports 1 to 8: up to 300 m. Long range performance may vary depend on camera model or cable condition.
Port Isolation	Ports 1 to 8: 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.
PoE Watchdog	Ports 1 to 8: auto detect and restart the cameras that do not respond.
Link Aggregation	Link aggregation is used to aggregate multiple physical ports to form a logical port for load balancing, bandwidth expansion, and port protection. Support static link aggregation. Support 8 aggregation groups.
QoS	QoS is used to allocate bandwidth to different services so as to provide end-to-end service quality assurance. Support port-based priority configuration. Support SP, WRR priority schedule mode.

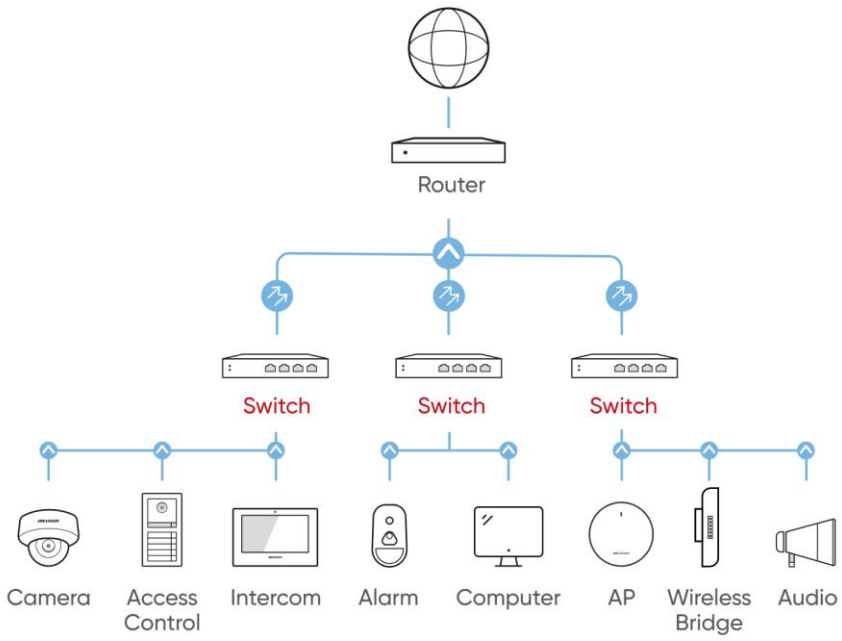
Loop Prevention	Loop prevention is used to prevent the switching network from forming loops, which will seriously affect network communication. Disabled by default. Support 802.1D STP. Support 802.1w RSTP. Support G.8032 ERPS.
VLAN	VLAN is used for network scale planning and network health improvement. Support 802.1Q. Configurable VLAN ID from 1-4094. Support Trunk, Access port mode. Support Max. 4094 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	Support device management via web. Support DHCP Client. Enabled by default for dynamic assignment of management IP addresses. Support Super IP, which is a fixed IP address (10.180.190.200) for direct access. Support management via Hik-Central Pro. Support remote management via Hik-Partner Pro. Support cable detection. Abnormal open circuits and short circuits as well as network cable length can be detected. Support 802.1ab LLDP for peer device discovery. Support SNMP v1/v2c for third-party management platform access. Support port mirroring for fault locating.
Port Rate-Limiting	Port rate-limiting is used for port bandwidth adjustment to prevent network congestion.
Storm Control	Storm control is used to prevent switch ports from being blocked by broadcast or multicast storms in the LAN, which may affect network communication. Support port rate limiting based on broadcast, multicast, and unknown unicast packets.
DHCP Snooping	DHCP Snooping can prevent unauthorized connections to DHCP servers from disrupting the network and affecting normal network communication, and only allow DHCP packets from trusted ports to pass through. Disabled by default.
ACL	Port security strategy. Support up to 64 ACL entries. Support up to 128 configuration rules under all ACL entries.
IPSG	IPSG can control the security of port access device. Support port, MAC, IP binding. Support 256 security table entries.

Approval	
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),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CE-LVD (EN 62368-1: 2014+A11: 2017),CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition)
Chemistry	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No.1907/2006)

▪ Key Component

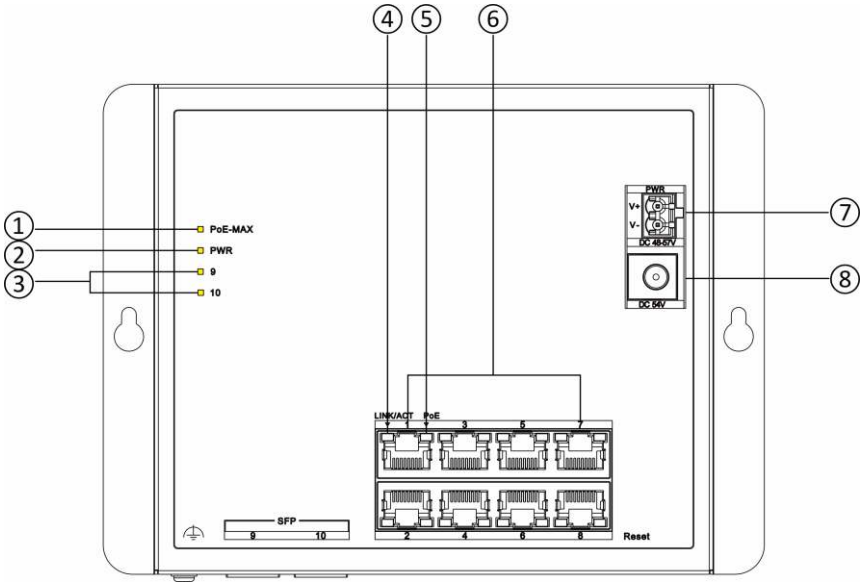
Order Sap	Order Model	Type	Parameter
303703680	NDR-75-48	Industrial Power Supply	AC/DC Power Supply, Output 48V-55V, 0-1.6A, 75watts, Input 90-264VAC, 127-370VDC, DIN rail, -20~70°C
303703681	NDR-240-48	Industrial Power Supply	AC/DC Power Supply, Output 48V-55V, 0-5A,240watts, Input 90-264VAC, 127-370VDC, DIN rail, -20~70°C

▪ Typical Application

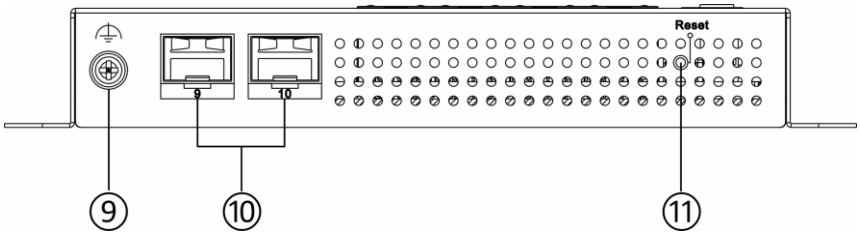


▪ Physical Interface

Top Panel



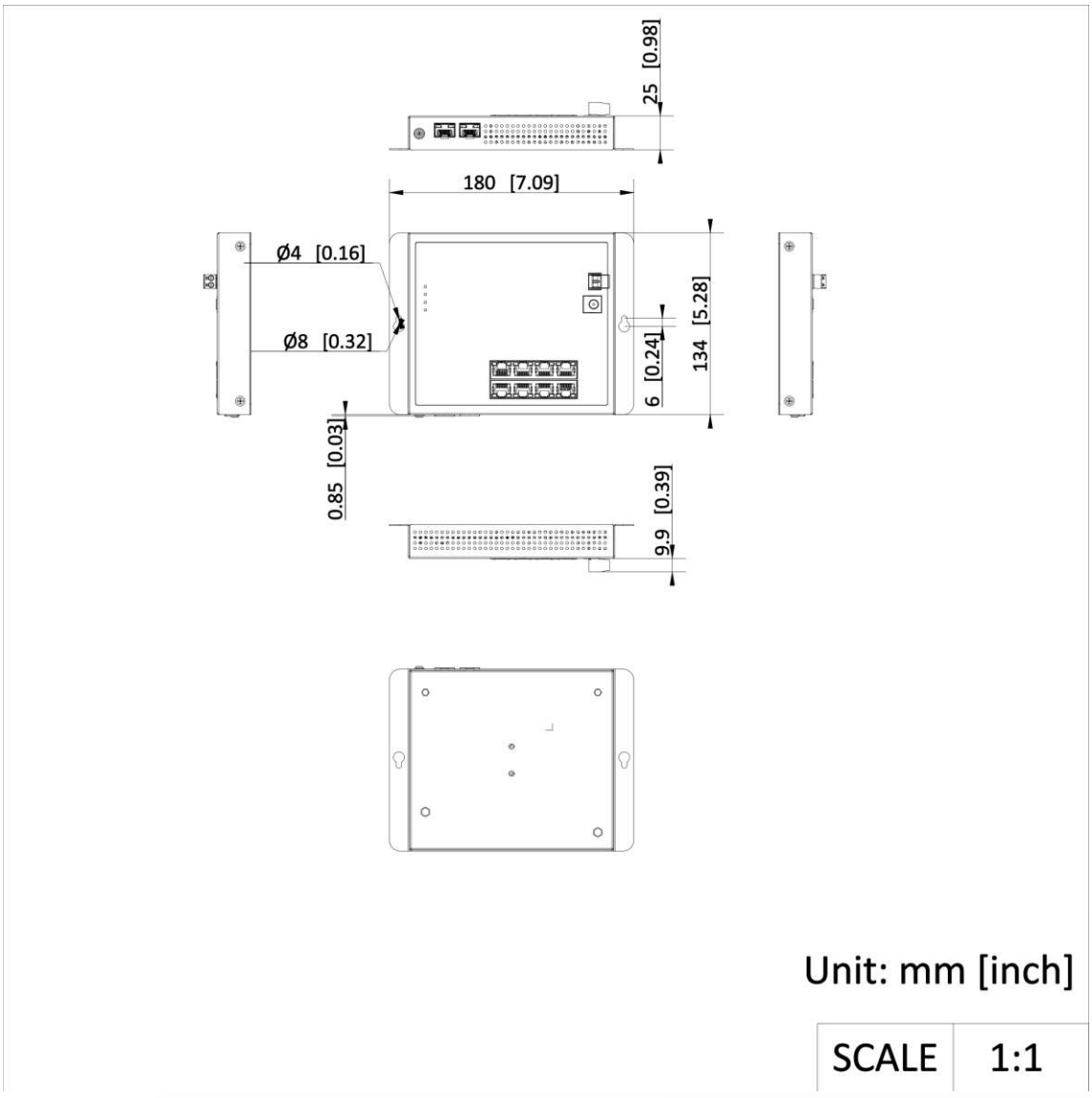
Front Panel



No.	Port/Indicator	Description
①	PoE-MAX Indicator	● Solid on: The output power of the switch is about to reach or has reached the upper limit. The power supply may be abnormal if more devices are connected. ● Unlit: The switch supplies power to a powered device (PD) normally and its output power does not reach the upper limit. Note: The PoE-MAX indicator will be unlit in 5 seconds after the output power of the switch returns to normal.
②	PWR Indicator	● Solid on: The switch is powered on normally. ● Unlit: No power supply is connected or power supply is abnormal.
③	Gigabit SFP Fiber Optical Port Indicator (Ports 9 and 10)	● Solid on: The gigabit SFP fiber optical port is connected. ● Flashing: The gigabit SFP fiber optical port is transmitting data. ● Unlit: No gigabit SFP fiber optical port connected or connection is abnormal.
④	LINK/ACT Indicator	● Solid on: The port is connected. ● Flashing: The port is transmitting data. ● Unlit: The port is disconnected or connection is abnormal.
⑤	PoE Indicator	● Solid on: The switch supplies power to a PD normally. ● Unlit: The switch is disconnected from a PD or power supply is abnormal.
⑥	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable.
⑦	2-Pin Terminal Block (DC 48-57 V)	Connect the positive DC power wire to the V+ terminal and the negative wire to the V- terminal. Ensure the wires are fully inserted, then tighten the terminal screws to secure them.
⑧	DC Jack (DC 54 V)	Connect the switch to a power socket using a self-prepared power cord and power adapter (or an integrated power adapter, if applicable). Ensure the adapter output voltage matches the switch's DC input requirement.

		Note: Select either of the two power input methods based on the on-site conditions.
⑨	Grounding Terminal	Used for connection to the grounding cable to protect the switch from lightning.
⑩	Gigabit SFP Fiber Optical Port	Used for connection to another device via an optical fiber when plugged into with an optical module.
⑪	Reset Button	Press and hold the reset button for more than 5 seconds to restore all the configurations of the switch to default settings.

▪Dimension



▪ Accessory

▪ Optional

NDR-240-48	NDR-75-48
	

See Far, Go Further

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