DS-3T0506HP
4 Port Gigabit Unmanaged Industrial Hi-PoE Switch

The Hikvision DS-3T0506HP unmanaged industrial switch can support four Gigabit PoE Ports and two Gigabit SFP Fiber Optical Ports. Designed for harsh industrial environments, it can provide an economical solution for your industrial Ethernet connection. The DS-3T0506HP PoE model supports centralized power supply and each port provides 30 W power. The operating temperature of industrial switches ranges from -40 °C to 75 °C. All models undergo rigorous aging tests to ensure they meet the specific needs of industrial automation control applications. In addition, the DS-3T0506HP unmanaged switch features a rugged aluminum alloy housing that ensures suitability for industrial environments and an option for fiber connection.

- 4 x Gigabit PoE Ports, 2 x Gigabit SFP Fiber Optical Ports

- Up to 90 W Hi-PoE Output for Port 1

- IEEE 802.3 af/at/bt Compliant

- PD Power Intelligent Detection with System-Level Overload Protection

- 6 kV Surge Protection

- Wider Temperature (-40 °C to 75 °C) Design

- DIN Rail Design

▪ Specification

General	
Shell	Metal material, fan-free design
Net Weight	0.38 kg (0.84 lb)
Gross Weight	0.94 kg (2.07 lb)
Dimensions (W × H × D)	158 mm × 101.2 mm × 31.6 mm (6.22" × 3.98" × 1.24")
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 DC, 2.5 A
Max. Power Consumption	120 W
Power Consumption in Idle	10 W
Installation Mode	Desk-Mounted,Rail
Surge Protection	6 kV

Network Parameters	
Ports	4 × Gigabit PoE port,2 × Gigabit fiber optical port
MAC Address Table	2 K
Switching Capacity	12 Gbps
Internal Cache	1.0 Mbits
Packet Forwarding Rate	8.93 Mpps

PoE Power Supply	
PoE Standard	IEEE 802.3af,IEEE 802.3at,IEEE 802.3bt
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Port	Hi-PoE: Ports 1 to 1,PoE: Ports 2 to 4
Max. Port Power	30 W
PoE Power Budget	110 W

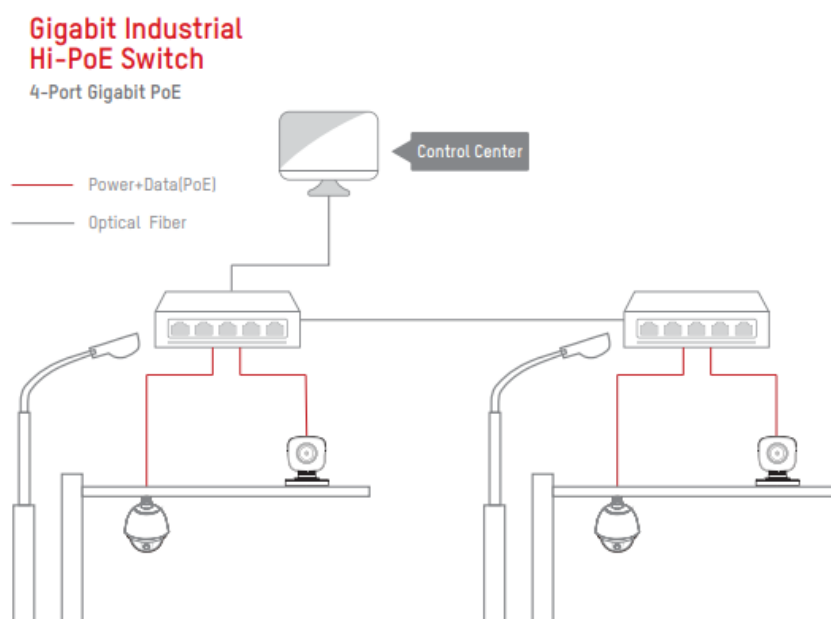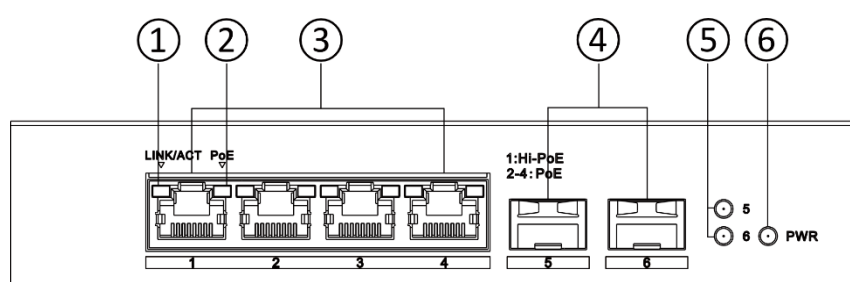| Approval	
EMC	CE-EMC (EN 55032: 2015+A11: 2020, EN IEC 61000-3-2: 2019, EN 61000-3-3: 2013+A1: 2019, EN 50130-4: 2011+A1: 2014, EN 55035: 2017+A11: 2020),IC (ICES-003: Issue 7:2020),RCM (AS/NZS CISPR 32: 2015)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1: 2014 (Second Edition)), CE-LVD (EN 62368-1: 2014+A11: 2017)
Chemistry	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

▪ Available Model

DS-3T0506HP

▪ Key Component

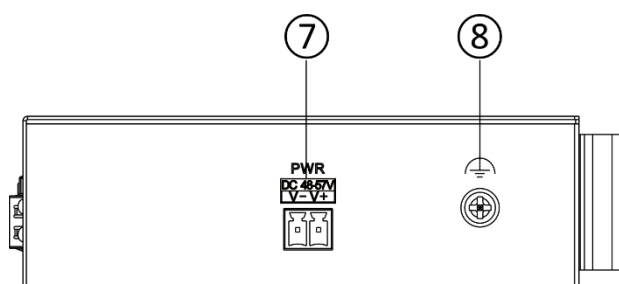| Order Sap	Order Model	Type	Parameter
303703680	NDR-75-48	Industrial Power Supply	AC/DC Power Supply, Output 48V-55V, 0-1.6A, 75watts, Input 90-264VAC, 127-370VDC, DIN rail, -20~70°C
303703681	NDR-240-48	Industrial Power Supply	AC/DC Power Supply, Output 48V-55V, 0-5A,240watts, Input 90-264VAC, 127-370VDC,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

▪ Typical Application
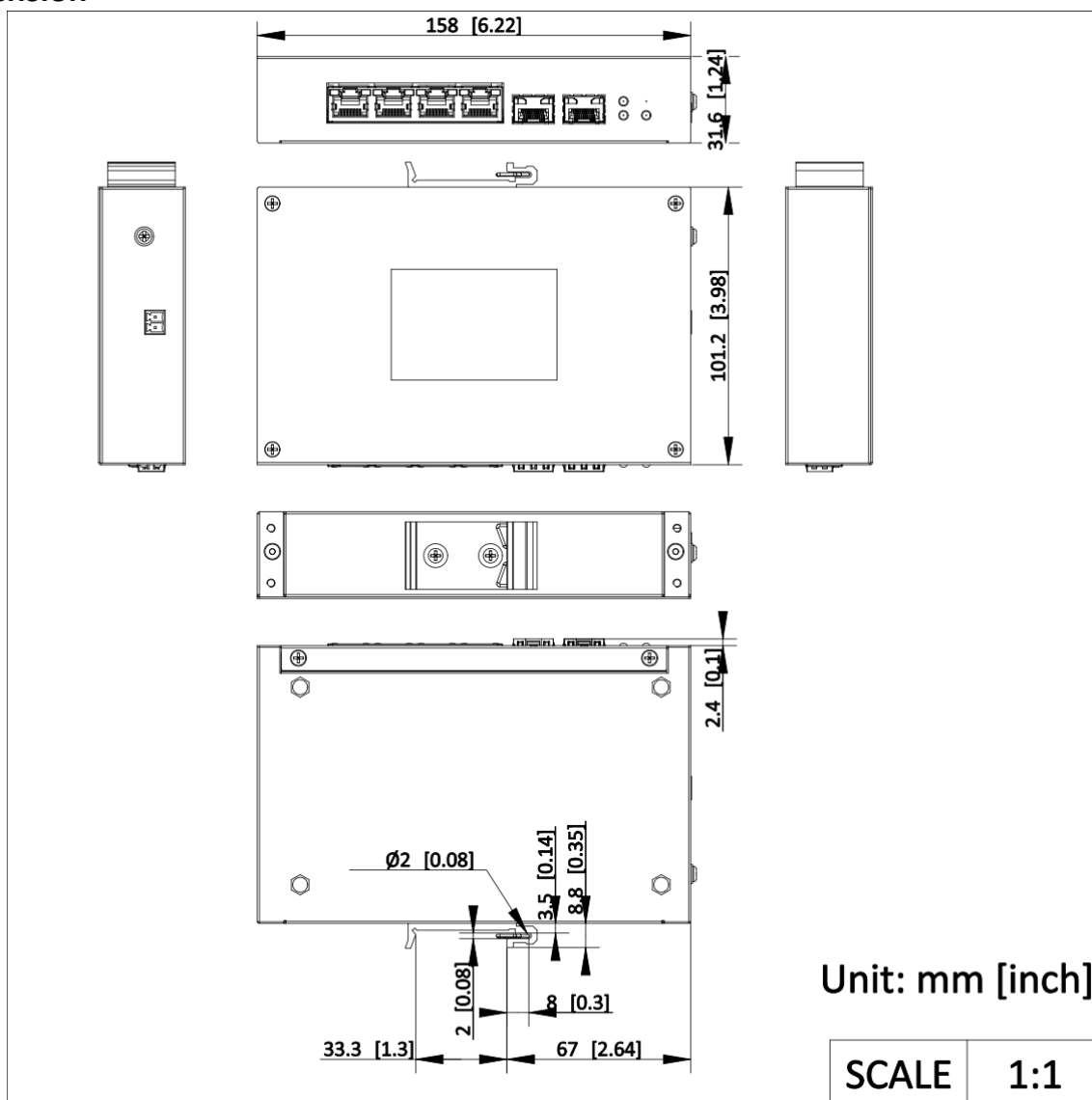

▪ Physical Interface
Front Panel

Side Panel

No.	Port/Indicator	Description
①	LINK/ACT Indicator	• Solid on: The port is connected. • Flashing: The port is transmitting data. • Unlit: The port is disconnected or connection is abnormal.
②	PoE Indicator	• Solid on: The switch supplies power to a powered device (PD) normally. • Unlit: The switch is disconnected from a PD or power supply is abnormal.
③	Gigabit PoE RJ45 Port	Used for connection to a PD via a network cable.
④	Gigabit SFP Fiber Optical Port	Used for connection to another device via an optical fiber when plugged into with an optical module.
⑤	G5/G6 Port Indicator	• 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.
⑥	PWR Indicator	• Solid on: The switch is powered on normally. • Unlit: No power supply is connected or power supply is abnormal.
⑦	Power Supply	Use a self-prepared power cord or power adapter to connect the switch to a socket.
⑧	Grounding Terminal	Used for connection to the grounding cable to protect the switch from lightning.

▪ **Dimension**

Unit: mm [inch]

SCALE	1:1

▪ **Accessory**

▪ **Optional**

NDR-75-48	NDR-240-48

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