DH-IS4410-6GT-120

10-Port Managed Industrial Gigabit Switch with 8-Port PoE(V3.0)



- All-gigabit port design
- Supports IEEE802.3af, IEEE802.3at, Hi-PoE and IEEE802.3bt (red port)
- standards
- 250 m long-distance PoE transmission (10 Mbps)
- PoE Watchdog
- Supports STP, RSTP, and MSTP
- IEEE802.1Q-base



Series Overview

Highly reliable, the L2 industrial switch is equipped with a high performance switching engine, has large buffer memory and optimizes transmission performance. With its solid full metal design, the device has great heat dissipation, working in environments ranging from –40 °C to +75 °C. It also has protection against overcurrent, overvoltage and EMC, resisting interference from static electricity, lightning and pulses. The redundant power supply ensures that the switch performs stably. It can be managed through webpage, SNMP and more.

Functions

PoE Watchdog

Adopts the innovative PoE Watchdog. It enables the switch to automatically detect port status and restart the failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its true sense and effectively reduces manual maintenance costs.

Long Distance PoE

The transmission distance of a PoE port can be up to 250 m, meeting the requirement of wired transmission (bandwidth reduced to 10 Mbps).

BT 90W (Red Port)

The red ports support IEEE802.3af, IEEE802.3at, IEEE802.3bt and Hi-PoE standards, with a maximum output power consumption of 90W per port. Suitable for powering high-power devices.

Wide Operating Temperature (–40 °C to +75 °C)

Supports working at ambient temperatures of –40 °C to +75 °C, and has built-in professional lightning-proof circuits that effectively reduce the impact of thunderstorms on network systems and improve system robustness, allowing the device to adapt to harsh environments.

Redundant Power Supply

Redundant power supply ensures that the device is still powered when one power port malfunctions, which improves device reliability.

Fast Loop Convergence

Supports the ERPS protocol to provide loop protection. Fast convergence is performed when the network disconnects.

Scene

The device is applicable for use in different scenarios, including corridors and offices.

Technical Specification

Basic

Layer	Layer 2
Switching Capacity	56 Gbps
Packet Forwarding Rate	14.88 Mpps
Description of Function Slots	Port 1-6: 6 × RJ-45 10/100/1000 Mbps (PoE) Port 7-10: 4 × SFP 1000 Mbps (uplink)
Operating Temperature	–40 °C to +75 °C (–40 °F to +167 °F)
Operating Humidity	5%–95% (RH), non-condensing
Power Supply	53 VDC
Included Power Adapter	No
Power Consumption	Idling: ≤ 6 W Full load: 120 W
Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV
Lightning Protection	Common mode: 6 kV Differential mode: 4 kV
Net Weight	1.25 kg (2.76 lb)
Gross Weight	1.52 kg (3.35 lb)
Product Dimensions	125 mm × 53.5 mm × 175.0 mm (4.92" × 2.11" × 6.89") (L × W × H)
Packaging Dimensions	254 mm × 287 mm × 101 mm (10.00" × 11.30" × 3.98") (L × W × H)
Installation	Desktop mount; DIN-rail mount
Certifications	CE

PoE

PoE	Yes
PoE Power	Port 1-2≤90 W Full load≤120 W
PoE Protocol	IEEE 802.3af; IEEE 802.3at; Hi-PoE; IEEE 802.3bt
PoE Power Consumption Management	Yes
PoE Pin Assignment	1,2,4,5（V+）,3,6,7,8（V-）
Long Distance PoE Transmission	Yes
PoE Watchdog	Yes

Hardware

Debugging	1 × Console port
Reset Button	1

Performance

MTBF	1168152.07 hours
Packet Buffer Size	4.1 Mbit
Jumbo Frame	10K Byte
MAC Table Size	8K
Total Static MAC Addresses	256
Flash	32 MB
RAM	2Gbit
Communication Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ad
Aggregation Group	8
VLAN Number	4K
VLAN Interface	10
IPv4 Routes	512
Dynamic ARP	496
Static ARP	128
QoS Queue	8

Feature

LLDP	Yes
Ethernet Loop Protection	STP, RSTP, ERPS
VLAN Function	Yes
Link Aggregation	Static link aggregation; LACP
Mirror	Yes
Multicast	IGMP Snooping
Routing	Static Routing
ARP	ARP
DHCP Function	DHCP Client;DHCP Snooping;DHCP Server;DHCP Snooping Option 82
Security	SSH2.0;802.1X; Port isolation; Radius; HTTPS
QoS/ACL	SP/WRR queue scheduling; 802.1p and DSCP priority mapping; Port speed limit ；
Equipment Management	Web; Cloud management; DSS Pro; Telnet; SSH; SNMP V1/V2C/V3; NTP; Logs; Ping; VCT;

Transmission Performance

Switch power supply voltage 54V.
CAT6. Max. DC resistance < 8 Ω/100 m

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90W		
100	71.3	1000
150	62	10
200	51	10
250	40	10

Hi-PoE 60W

100	46	1000
150	42	10
200	37	10
250	32	10

IEEE802.3at 30W

100	25.5	1000
150	25.5	10
200	25.5	10
250	24	10

Note: Data from this table was collected by Dahua test lab and is for reference only. The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.

Ordering Information

Type	Model	Description
PoE Switch	DH-IS4410-6GT-120	10-Port Managed Industrial Gigabit Switch with 8-Port PoE(V3.0)
Accessories (Optional)	GSFP-RJ45	RJ45 SFP Module
	GSFP-850-MMF	SFP Optical Module
	GSFP-1310-20-SMF	SFP Optical Module
	GSFP-1310R-20-SMF	SFP Optical Module
	GSFP-1310T-20-SMF	SFP Optical Module

Accessories

Optional:



GSFP-RJ45
RJ45 SFP Module



GSFP-850-MMF
SFP Optical Module



GSFP-1310-20-SMF
SFP Optical Module

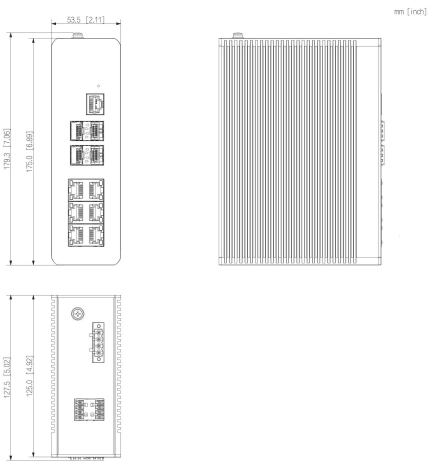


GSFP-1310R-20-SMF
SFP Optical Module

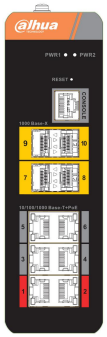


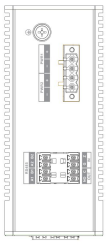
GSFP-1310T-20-SMF
SFP Optical Module

Dimensions (mm[inch])



Panels





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