

DH-IS4410-6GT-120

10-Port Managed Industrial Gigabit Switch with 6-Port PoE (Managed)

PoE 2.0



System 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 also be remotely managed through the webpage, SNMP and more, and can directly connect to iLinks-View.

Functions

PoE Watchdog

Adopts the innovative PoE Watchdog. PoE Watchdog can be switched on by dialing or turning on the WEB page switch. It enables the switch to automatically detect port status and restart failed ports to recover connection in case of IPC connection exception. This enables intelligent operation and maintenance management in its truest sense, effectively reducing manual maintenance costs.

Long-distance PoE

By dialing or enabling long-diatance transmission on the WEB interface, the transmission distance of a PoE port can be up to 250 m, meeting the requirements of wired transmission (bandwidth reduced to 10 Mbps).

- · 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 ERPS.
- IEEE802.1Q-based VLAN configuration.
- · Manual link aggregation and static LACP.
- · Desktop mount and DIN-rail mount.













Red Port 90W

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

Wide Operating Temperature

Developed to operate in extreme conditions, the device functions in temperatures ranging from $-40\,^{\circ}\text{C}$ to $+75\,^{\circ}\text{C}$, easily adapting to harsh environments.

Redundant Power Supply

Redundant power supply ensures that the device is still powered when one power port malfunctions, vastly improving 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		
Hardware		
Included Power Adapter	No	
PoE	Yes	
Ethernet Port	6	
Optical Port	4	
Ethernet Port Speed	10/100/1000 Mbps	
Optical Port Speed	1000 Mbps	
Description of Function Slots	Port 1-6: 6 × RJ-45 10/100/1000 Mbps Port 7-10: 4 × SFP 1000 Mbps	
Debugging	1 × Console port	
Reset Button	1	
Power Supply	53 VDC	
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)	
Operating Humidity	5%–95% (RH), non-condensing	
Power Consumption	Idling: ≤ 6 W Full load: 120 W	
Performance		
Layer	L2	
Management Type	Yes	
MTBF	1168152.07 hours	
Switching Capacity	56 Gbps	
Packet Forwarding Rate	14.88 Mpps	
Packet Buffer Size	4.1 Mbit	
Jumbo Frame	10K Byte	
MAC Table Size	8K	
VLAN Number	4K	
VLAN Interface	10	
Dynamic ARP	512	
Communication Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ad	
Feature		
PoE Protocol	IEEE802.3af (PoE); IEEE802.3at (PoE+); Hi-PoE; IEEE802.3bt	
PoE Power	Port 1-2 ≤90 W Port 3-6 ≤30 W Full load ≤120W	
PoE Power Consumption Management	Yes	
PoE Pin Assignment	1, 2, 4, 5(V+), 3, 6, 7, 8(V-)	
Long Distance PoE Transmission	Yes	
Spanning Tree Protocol	STP, RSTP, ERPS	
VLAN Function	Yes	

Static link aggregation; LACP

Link Aggregation

IEEE 802.3x Flow Control	IEEE 802.3X-based flow control (full-duplex)	
Multicast	IGMP Snooping	
DHCP Function	DHCP client	
Security	IEEE 802.1x ERPS	
Equipment Management	WEB (http and https) SNMP V1/V2C/V3	
General		
Statics Protection	Air discharge: 8 kV Contact discharge: 6 kV	
Lighting 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 \times 53.5mm \times 175.0 mm (4.92" \times 2.11" \times 6.89") (L \times W \times H)	
Packaging Dimensions	254 mm × 287 mm × 101 mm (10.00" × 11.30" × 3.98")(L × W × H)	

CE, FCC

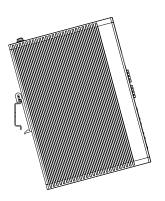
Certifications

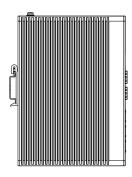
Transmission Performance:			
Switch power supply voltage 53V. CAT5E/CAT6. Max. DC resistance $< 10\Omega/100 m$			
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)	
IEEE802.3bt 90W			
100	71.3	1000	
150	62	10	
200	51	10	
250	40	10	
Hi-PoE 60W			
100	53	1000	
150	50	10	
200	47	10	
250	37	10	
IEEE802.3at 30W			
100	25.5	1000	
150	25.5	10	
200	25.5	10	
250	25.5	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 Description Type Model 1.25G 1310/1550nm,20km,LC, Single-mode GSFP-1310T-20-SMF GSFP-1310R-20-SMF 1.25G 1550/1310nm,20km,LC, Single-mode SFP module 1.25G 1310nm,20km,LC, Single-mode GSFP-1310-20-SMF 1.25G 850nm,550m,LC, Multi-mode GSFP-850-MMF DIN-Rail 120W, 100VAC~240VAC-48V2.5A DRL-48V120W1AA Power Supply

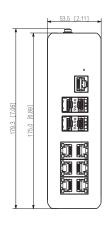
Note: This product does not include a power adapter, the power adapter needs to be purchased separately to use with the product.

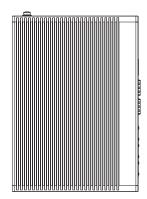
Installation

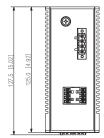




Dimensions (mm[inch])







Rev 002.000

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Panels



