

DH-CS4218-16ET-135-PAK

18-Port Desktop Switch with 16-Port PoE



PoF 2.0

Series Overview

Highly intuitive, the Access Switch can be used in local networks. With its full metal design, the switch has great heat dissipation and can operate in temperatures ranging- 10° C to 55° C(+ 14° F to + 131° F). It offers EMC and has protection against overvoltage, overcurrent, static electricity, lightning strikes, pulses and other types of interference. For the PoE series Switch, power is supplied up to 250 meters away. The orange port supplies up to 60 W and the red port provides up to 90 W. The switch can be used in small and medium-sized businesses such as supermarkets, offices, restaurants, cafés and hotels.

Functions

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).

- 16 × RJ45 10/100 Mbps PoE Ports, 2 Gigabit combo ports.
- 135 W total PoE budget, 802.3af/at on all PoE port, additional 802.3bt on red port.
- · Wide operating temperature ranging from -10 °C to 55 °C.
- · Supports VLAN and loop protection.









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.

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.

Loop Protection

When a loop is detected, the loop alarm will be triggered and the elimination mechanism will activate to prevent broadcast storms from occurring.

Scene

Suitable for scenes such as houses, factories and offices.

RJ45 10/100/1000 Mbps (combo); Port 17-18: 2 × SFP 1000 Mbps (combo) Operating Temperature —10 °C to +55 °C (+14 °F to +131 °F) Operating Humidity 5%—95% (RH), non-condensing Storage Temperature —40 °C to +70 °C (−40 °F to +158 °F) Storage Humidity 5%—95% (RH), non-condensing Power Supply Built-in power supply: 100−240 VAC, 47−63 Hz, max 3 A Idling: ≤6 W Full load: 154 W Statics Protection Air discharge: 8 kV; Contact discharge: 6 kV Lightning Protection Common mode: 4 kV Differential mode: 2 kV Net Weight 2.23 kg (4.91 lb) Gross Weight 2.88 kg (6.34 lb) Product Dimensions 44 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (Law × H)	Technical Specification				
Switching Capacity Packet Forwarding Rate 5.36 Mpps Port 1-16: 15 × RJ45 10/100 Mbps (PoE); Port 17-18: 2 × SFP 1000 Mbps (combo); Por	Basic				
Packet Forwarding Rate 5.36 Mpps	Layer	Layer 2			
Port 1-16: 16 × RJ45 10/100 Mbps (PoE); Port 17-18: 2 × SFP 1000 Mbps (combo); Port 17-18: 2 ×	Switching Capacity	7.2 Gbps			
Description of Function Slots RI45 10/100/1000 Mbps (combo); Port 17-18: 2 × SFP 1000 Mbps (combo); Port 10-15	Packet Forwarding Rate	5.36 Mpps			
Operating Humidity Storage Temperature -40 °C to +70 °C (-40 °F to +158 °F) Storage Humidity S%-95% (RH), non-condensing Power Supply Built-in power supply: 100-240 VAC, 47-63 Hz, max 3 A Power Consumption Idling: s6 W Full load: 154 W Statics Protection Air discharge: 8 kV; Contact discharge: 6 kV Common mode: 4 kV Differential mode: 2 kV Net Weight 2.23 kg (4.91 lb) Gross Weight 2.88 kg (6.34 lb) 440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (L W × H) Packaging Dimensions 540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (I X W × H) Casing Material Installation Desktop mount; rack mount POE PoE PoE PoE Power Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W PoE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance PoE Transmission Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 802.3 IEEE 802.3at IEEE 802.3a	•				
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Power Supply Built-in power supply: 100–240 VAC, 47–63 Hz, max 3 A Power Consumption Idling: ≤ 6 W Full load: 154 W Statics Protection Air discharge: 8 kV; Contact discharge: 6 kV Common mode: 4 kV Differential mode: 2 kV Net Weight 2.23 kg (4.91 lb) Gross Weight 2.88 kg (6.34 lb) Product Dimensions 440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (LW × H) Packaging Dimensions 540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (IW × H) Casing Material Installation Desktop mount; rack mount POE POE POE POE POE POE Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W POE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt PoE Pin Assignment 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance POE Transmission Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K IEEE 802.3a IEEE	Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)			
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Lightning Protection Differential mode: 2 kV Net Weight 2.23 kg (4.91 lb) Gross Weight 2.88 kg (6.34 lb) Product Dimensions 440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (LW × H) Packaging Dimensions 540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (LW × H) Casing Material Sheet metal Installation Desktop mount; rack mount POE Yes PoE Power Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W PoE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt PoE Pin Assignment 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance PoE Transmission Yes Hardware Reset Button MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 80	Statics Protection	Air discharge: 8 kV; Contact discharge: 6 kV			
Gross Weight 2.88 kg (6.34 lb) Product Dimensions 440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (L W × H) Packaging Dimensions 540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (L X W × H) Casing Material Sheet metal Installation Desktop mount; rack mount POE Yes PoE Power Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W PoE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt PoE Pin Assignment 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance PoE Transmission Yes Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 k IEEE 802.	Lightning Protection				
Product Dimensions 440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (L W × H) Packaging Dimensions 540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (I × W × H) Casing Material Sheet metal Installation Desktop mount; rack mount POE Yes PoE Power Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W PoE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt PoE Pin Assignment 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance PoE Transmission Yes Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3u IEEE 802.3u IEEE 802.3a IEEE	Net Weight	2.23 kg (4.91 lb)			
Product Dimensions W × H) Packaging Dimensions 540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (I × W × H) Casing Material 5heet metal 5heet metal 6heet mount 7heet mount	Gross Weight	2.88 kg (6.34 lb)			
Ackaging Dimensions X W X H) Casing Material Installation Desktop mount; rack mount POE POE POE POE POE POE Yes POE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt POE Pin Assignment 1,2,4,5 (V+),3,6,7,8 (V-) Long Distance POE Transmission Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 802.3a IEEE 802.3ac	Product Dimensions	440 mm × 220 mm × 44 mm (17.32" × 8.66" × 1.73") (L : W × H)			
PoE PoE PoE PoE PoE PoE PoE PoE	Packaging Dimensions	540 mm × 342 mm × 90 mm (21.26" × 13.46" × 3.54") (L × W × H)			
PoE PoE PoE PoE PoE PoE PoE PoE	Casing Material	Sheet metal			
PoE Yes PoE Power Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W PoE Protocol IEEE802.3af; IEEE802.3af; IEEE802.3bt PoE Pin Assignment 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance PoE Transmission Yes Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3u IEEE 802.3u IEEE 802.3u IEEE 802.3ac	Installation	Desktop mount; rack mount			
PoE Power Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W PoE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt PoE Pin Assignment 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance PoE Transmission Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3a IEEE 802.3a IEEE 802.3a IEEE 802.3ac I	PoE				
PoE Protocol IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt PoE Pin Assignment 1,2,4,5 (V+),3,6,7,8 (V-) Long Distance PoE Transmission Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K IEEE 802.3a IEEE 802.3a IEEE 802.3ac IEEE 802.	PoE	Yes			
PoE Pin Assignment 1,2,4,5 (V+) ,3,6,7,8 (V-) Long Distance PoE Transmission Yes Yes Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 802.3a IEEE 802.3ac	PoE Power	Port 1-2 ≤ 90 W, Port 3-16 ≤ 30 W, total ≤ 135 W			
Long Distance POE Transmission Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K LEEE 802.3 LEEE 802.3 LEEE 802.3a	PoE Protocol	IEEE802.3af; IEEE802.3at; Hi-PoE; IEEE802.3bt			
Transmission Hardware Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K LEEE 802.3 LEEE 802.3u LEEE 802.3u LEEE 802.3u LEEE 802.3a	PoE Pin Assignment	1,2,4,5 (V+) ,3,6,7,8 (V-)			
Reset Button 1 Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 802.3u IEEE 802.3au	•	Yes			
Performance MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 802.3x IEEE 802.3a IEEE 802.3az IEEE 802.3az IEEE 802.3az	Hardware				
MTBF 87.10 years Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 802.3u IEEE 802.3a IEEE 802.3ab IEEE 802.3az IEEE 802.3az IEEE 802.3az	Reset Button	1			
Packet Buffer Size 4 Mbit Jumbo Frame 9216 Byte MAC Table Size 8K Communication Standard IEEE 802.3 IEEE 802.3u IEEE 802.3u IEEE 802.3ab IEEE 802.3az IEEE 802.3az IEEE 802.3az	Performance				
Jumbo Frame 9216 Byte MAC Table Size 8K LEEE 802.3 LEEE 802.3u LEEE 802.3x LEEE 802.3a LEEE 802.3ab LEEE 802.3az LEEE 802.3az LEEE 802.3az LEEE 802.3az	MTBF	87.10 years			
MAC Table Size IEEE 802.3 IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3ab IEEE 802.3az IEEE 80	Packet Buffer Size	4 Mbit			
IEEE 802.3	Jumbo Frame	9216 Byte			
Communication Standard IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3az IEEE 802.3z	MAC Table Size	8K			
VLAN Number 32	Communication Standard	IEEE 802.3u IEEE 802.3x IEEE 802.3ab IEEE 802.3az			
	VLAN Number	32			

Feature	
VLAN Function	IEEE 802.1Q VLAN
Port Feature	IEEE 802.3x Flow Control Unknown Unicast Suppression Multicast Storm Control Broadcast Storm Control MAC+Port Binding Loop Prevention
Mirror	N:1 Mirroring Local Port Mirroring
Reliability	LLDP
DHCP Function	DHCP Client
Security	Port Isolation
General	
Packing List	Quick Start Guide × 1 Legal and Regulatory Information × 1 Power cord × 1 Rack-mount kit × 1

Transmissio	n Performance	
Switch power sup CAT6. Max. DC res	ply voltage 54V. sistance < 8 $\Omega/100$ m	
Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt	90W	
100	71.3	100
150	62	10
200	51	10
250	40	10
Hi-PoE 60W		
100	46	100
150	42	10
200	37	10
250	32	10
IEEE802.3at	30W	
100	25.5	100
150	25.5	10
200	25.5	10
250	24	10

Access Switch | DH-CS4218-16ET-135-PAK

Ordering Information				
Туре	Model	Description		
PoE Switch	DH-CS4218-16ET-135-PAK	18-Port Desktop Switch with 16-Port PoE		
Accessories (Optional)	GSFP-1310-20-SMF	SFP Optical Module		
	GSFP-850-MMF	SFP Optical Module		
	GSFP-1310T-20-SMF	SFP Optical Module		
	GSFP-1310R-20-SMF	SFP Optical Module		

Accessories

Optional:

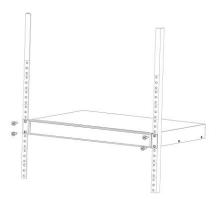




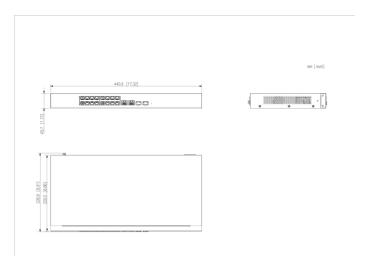
GSFP-1310-20-SMF GSFP-1310R-20-SMF GSFP-1310T-20-SMF SFP Optical Module SFP Optical Module SFP Optical Module



GSFP-850-MMF SFP Optical Module



Dimensions (mm[inch])



Panels



