



\* The parameters and datasheets below can only be applied to V2.0 (version 2.0)

- > Intelligent PoE · Red port supports 90W IEEE802.3bt
- > Web management with friendly interface and easy operation
- > 250 m long distance PoE transmission
- > PoE watchdog
- > Plug and play



### Performance

Layer	Layer 2
Managed	Yes
Switching Capacity	8.8 Gbps
Packet Forwarding Rate	6.55 Mpps
Packet Buffer Memory	2.75 Mbit
MAC Table Size	4K

Communication Standard	IEEE802.3; IEEE802.3u; IEEE802.3x; IEEE 802.3ab; IEEE 802.3z
Hardware Feature	
Standard Power Supply	Yes
PoE	Yes
Ethernet Port	24
Optical Port	2
Ethernet Port Rate	100 Mbps
Optical Port Rate	1 Gbps
Number of Bussiness Card Slots	Port 1-24: 24 × RJ-45 10 M/100 M (PoE) Port 25-26: 2 × RJ-45 10 M/100 M/1000 M (uplink) Port 25-26: 2 × SFP 1000 M (uplink) (combo)
Debugging	Console × 1
Power Supply	100V–240V AC
Operating Temperature	–10 °C to +55 ° (14 °F to 131 °F)
Operating Humidity	10% RH–90% RH
Power Consumption	Idling: 10W Full load: 360W
PoE	
PoE Standard	IEEE802.3af/ IEEE802.3at/ Hi-PoE/IEEE802.3bt

PoE Budget	Port 1-2 ≤ 90W, Port 3-24 ≤ 30W, total ≤ 360W
PoE Pin Assignment	1, 2, 4, 5 (V+), 3, 6, 7, 8 (V-)
PoE Management	Power consumption management Power on and power off Power down for overload Green PoE Legacy support
Long Distance PoE Transmission	250 m long-distance power supply
Function	
Spanning Tree Protocol	IEEE 802.1d (STP); 802.1w (RSTP)
VLAN	IEEE802.1q Standard VLAN
Flow Control	Support IEEE 802.3x (full duplex flow control) and back pressure flow control (half duplex)
Link Aggregation	Static; LACP
Port Mirroring	One-to-one; multiple-to-one
Multicast	GMP snooping based on port
DHCP	DHCP client
Security	Hardware supports IP and MAC binding based on port, MAC filtering based on port, and IEEE802.1x port authentication
QoS	High and low priority WRR 802.1P DSCP Priority based on protocol

## General

ESD	Air discharge: 8kV Contact discharge: 6kV
Thunder-proof	Common mode: 4kV Differential mode: 2kV
Dimensions	440 mm × 300 mm × 44 mm (17.32" × 11.81" × 1.73") (L × W × H)
Packaging Dimensions	Packing box: 527 mm × 412 mm × 110 mm (20.75" × 16.22" × 4.33") (L × W × H) Protective box: 584 mm × 549 mm × 446 mm (22.99" × 21.61" × 17.56") (L × W × H)

## Transmission Performance:

Switch power supply voltage 53V.  
CAT5E/CAT6. Max. DC resistance < 10 Ω/100 m

Cable(m)	Load Capacity(W)	Bandwidth(Mbps)
IEEE802.3bt 90 W		
100	71.3	100
150	62	10
200	51	10
250	40	10
Hi-PoE 60 W		
100	53	100
150	50	10
200	47	10

250	37	10
IEEE802.3at 30 W		
100	25.5	100
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.