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1. Product Specification..

TEG1005/1008

5/8Port Giga Switch has 5/8 10/100/1000Mbps auto-negotiation port, All the port support Auto MDI /MDI X . Can used as normal desk switch, also can used as mount, can guarantee the speed of the next grade switch by its Giga port.It's the best choice of the Internet coffee, university, enterprise , house, SOHO and so on.

Article list

Check the articles kindly after you open the packing as below:

- ü 1 piece 5/8Port Giga Switch switch .
- ü 1 piece Power line
- ü 1 pair "L" bracket" , 8 pieces screw, 4 pieces rubber mat.
- ü 1 piece User's manual .

Switch front panel and back panel specification

front panel including 5/8 10/100/1000 Mbps RJ45 Port Indicator and 1 power indicator ; back Panel has 5/8 10/100/1000Mbps RJ45 Port , 1 Power supplier port.

Notice:

Please Use the original power supplier , the Non-matching power supplier damage the switch.

LED Indicators

The LED indicators of the Switch include Power □ Link/ACT and 100M. The LED indicators are used to facilitate monitoring

and troubleshooting of the Switch. The following shows the LED indicators for the Switch along with explanation of each indicator.

LED Indicator	Color	Status	Description
POWER	Green	Light	This indication op when the Switch is turned on
	—	Off	If this indicator is not light, check the AC power connector to ensure proper insertion of the power cord and the power switch is turned on.
LINK / ACT	Green	Light	The port is connected to a Ethernet station
	Green	Blinking	The port is transmitting or receiving data
100M	Green	Light	The port is connected to a 100Mbps Fast Ethernet station or MDI -II
1000M	Green	Light	The port is connected to a 1000 Mbps Fast Ethernet station or MDI -II

Remark:1.100Mbps indicator described above is optional.

100/1000M port may blinking together with Link/Act when it transfer data .

Features

TEG1005/1008 Giga switch has High speed dynamic memory, support packet store and forward function . TEG1005/1008 Giga switch combined store and forward function and dynamic memory to make sure sending the packet to each port from the memory. Control the data flow between the sending and receiving nodes to prevent any possible packet loss. The 8/16/24 Giga switch work as full duplex mode , 10/100/1000Mbps auto-negotiation , the speed can arrive 2000Mbps farthest.

1.5 Technology parameter

Generally features	
Criterion	IEEE802.3 10BASE-T Ethernet IEEE802.3u 100BASE-TX/FX Fast Ethernet IEEE802.3 frame type Translucent
Protocol	CSMA/CD
Data transfer	Ethernet 10Mbps(semi duplex) ;20Mbps(full Duplex)
	Fast Ethernet 100Mbps(semi duplex); 200Mbps(full duplex)
Topological structure	Star-network
Network Twisted-pair	10BASE-T: 2-pair UTP Cat3, 4,5(100m) EIA/TIA-568 100-ohm STP (100m)

	100BASE-TX: 2-pair UTP Cat5 (100m) EIA/TIA-568 100-ohm UTP/STP (100m) 1000Base-T Cat5 Cat5E Cat6 UTP/STP
Port amount	5/8/16/24/48 10/100Mbps ports ,
Physics and setting features	
AC INPUT	AC100~240V 50/60Hz
POWER	5W-20W Watts maximum
Temperature	Operation: 0°C-45°C Storage: -30°C-60°C
Humidity	5%~95% no coagulation
Performance	
Transfer mode	Store and forward
Filtering Address Table	1-8K
Packet Filtering / Forwarding Rate	14880pps 10Mbps per port
	148800pps 100Mbps per port
	1488000pps 1000Mbps per port
MAC Address learning	Automatic learn and aging.

Performance Function

- I Compliance to the IEEE802.3 100BASE-TX IEEE802.3u 100BASE-TX IEEE802.3ab Ethernet Protocol , support 10/100/1000Mbps 3 three kinds transfer model together.
- I Support NWAY auto-negotiation function, monitor speed ,duplex,flow control automatically, play after plug. Avoid the complex setting procedure.Support the

PNP .

- I Auto MDI /MDI X function, predigest the network span and maintenance .
- I Support IEEE802.3x duplex control, Half duplex Backpressure control.
- I High backplane bandwidth, support Non-blocking wire-speed transfer.
- I Use the store-transfer infrastructure ,support MAC address lean by self function, integrated 1-8K MAC address table.
- I MINI desktop steel structure , external Power supplier.

2. Installation

When on the top of a table installing the switch, the rubber pad of equipment bottom touches ground first. There is the ventilation space that is enough between the body of equipment and vicinity.

- Ø Don't put heavy article in the switch.
- Ø Convenience receptacle and equipment should be within 1.5 meters.
- Ø Check power supply is confirmed the safe
- Ø Connection.
- Ø Affirms to have the ventilation that is enough,

2.1 SWITCH to PC

A PC can be connected to the TEG1005/1008 switch via a two-pair Category 5/Cat5E UTP/STP straight cable, because the switch have the MDI/ MDI-X function, can realize the MDI/ MDI-X function automatically . function. The PC can be connected to any of the 5/8 ports .

2.2 Switch to HUB

A HUB can be Uplink to the TEG1005/1008 Giga Switch via a two-pair Category 5/Cat5E UTP/STP straight cable, because the switch have the MDI/ MDI-X function, can realize the MDI/MDI-X function automatically . function. The PC can be connected to any of the 5/8 ports .

2.3 Switch to Switch

A Switch can be Uplink to the TEG1008S/1016S/ 1024S switch via a two-pair Category 5/Cat5E UTP/STP straight cable, because the switch have the MDI/ MDI-X function, can realize the MDI/ MDI-X function automatically . function. The PC can be connected to any of the 5/8 ports.

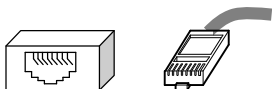
Notice:

The TEG1005/1008 Giga Switch have auto-negotiation function ,the port indicator situation depends on the work model negotiation result, the indicator situation specification is as the indicator specification described above.

3. Appendix

RJ-45 PIN SPECIFICATION

When connecting your TEG1005/1008 Giga Switch to another switch, a bridge or a hub, No need to use a crossover cable. Please review these products for matching cable pin assignment.

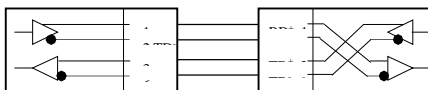


The standard RJ-45 receptacle/connector

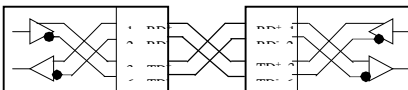
RJ-45 Connector pin definition	
Contact	Contact
1	A_TX + (sender)
2	A_TX - (sender)
3	B_RX + (receiver)
4	C_TX + (sender)
5	C_TX - (sender)
6	B_RX - (receiver)
7	D_RX + (receiver)
8	D_RX - (receiver)

The standard Cat5,Cat5e, Cat6 STP/UTP cable, RJ-45 pin assignment, (Used for 1000Mbps connection)

I The following shows 10/100Mbps straight cable and crossover cable connection:



Straight cable for the 10/100Mbps ports switch (uplink MDI-II port) to switch/Hub or other devices connection



Crossover cable for 10/100Mbps ports switch (MDI-X port) to switch/hub or other network

devices (MDI -X port) connection.

NOTICE:

TEG1005/1008 Giga Switch have auto-negotiation function ,the port indicator situation depends on the work model negotiation result, the indicator situation specification is as the indicator specification described above.

The 1000Mbps cable and crossover cable connection is similar to the 10/100 port, But use all the 4 pairs twin cable, add the 4⁵7⁸ twin pairs as TX and RX , and work at higher frequency, to make sure more stable network connection.

we advise the Cat5e and Cat6 UTP cable strongly.