

## Product Summarize

TEH160SK is the classical production of Tenda series fast Ethernet switches, centralizes Tenda's profound attainments in the network switching field and the exquisite sculpt that lead the vogue tidal current. The MINI desktop model switch is technically designed for the SOHO network, especially be fit for the network requirement of middle and small enterprises.

TEH160SK enable you to establish own network by its first-class stability and easy-using feature. It adopts Infineon chip design project, backboard bandwidth can reach 3.2G, which ensures the 16-ports nonblocking switching. It also integrate 4K MAC address table, learns the MAC address automatically, supports NWAY auto negotiation function, supports Auto MDI/MDI- X function and so on. You can hold a stable and effective network without considering the administration of networks.

## LED Indicators

The front panel of switch includes: single power supply indicator, 16 Link/Act that indicate the 16 10/100M ports status.

LED Indicators	Estate	Description
Power	On	The switch is put through the power supply
	Extinguish	The switch fails to put through the power supply
10/100M port indicator		
Link/Act	On	Corresponding port connects with network successfully
	Blinking	It is transferring data
	Extinguish	Port fails to connect with network

## Main Features

The switch includes internal dynamic high speed memory (HSM), supports store and forward, combines store and forward switching with dynamic EMS memory allocation to ensure that the buffer is effectively allocated for each port; supports both IEEE802.3x and back pressure flow control mode, the data stream between sending and receiving node is controlled; avoid the

data package loss; detects 10/100M automatically and full duplex/half duplex mode.

This switch can supply 16 10/100Mbps ports used for connecting with workstation; all ports support Auto MDI/MDI-X, allow you to connect workstation, server or other switches to any port of this switch without distinguishing MDI or MDI-X.

- Compliant with IEEE802.3, IEEE802.3u;
- Support NWAY auto negotiation, detect transmission rate automatically, duplex mode, choose first-rank network connections mode, avoid multifarious setting procedure, Plug and play;
- Support Auto MDI/MDI-X, predigest the network setting, maintenance task;
- Support IEEE802.3x for full duplex flow control, half duplex Backpressure flow control;
- Support nonblocking line speed transmission
- Adopt store and forward infrastructure, support MAC address self-learning function, integrate 4k MAC address table. Fully satisfy all kinds of applied requirement.
- External power supply, safe and easy to use.

## Performance Feature

General Feature		
Criterion	IEEE802.3 IEEE802.3u IEEE802.3x	
Protocol	CSMA/CD	
Data Transmission Rate	Ethernet	10Mbps (half duplex) 20Mbps (full duplex)
	Fast Ethernet	100Mbps (half duplex) 200Mbps (full duplex)
Topology Structure	Star-network	
Network Twisted-pair	10Base-T:3/5 cat UTP/STP Twisted-pair 100Base-TX:5 cat UTP/STP Twisted-pair Biggest length: 100metres	
Port Amount	16 10/100Mbps ports	
Performance		
Transmission Mode	Fast store and forward	
MAC Address Table	4K	
Packet Filtering/ forwarding Rate	14880pps (10Mbps) per port	
	148800pps (100Mbps) per port	
MAC Address Learning	Max automatic update time:5min	
Physics and Setting Features		
AC Input	AC 9V 1.2A	
Power	8W	

Temperature	Operation: 0°C~50°C Storage: -40°C~70°C
Humidity	5%~95% (no coagulation)

## Installation

Please pay attention to the followings before installation

- Don't put heavy object on the switch.
- The distance between power supply socket and equipment can not be beyond 1.5meter.
- Check the power supply carefully; ensure that it is safely connected.
- Affirm that there are enough intakes around the equipment in order to easily diffuse quantity of heat.

### Notice:

TEH160SK switch supply auto negotiation function, the work mode depends on other network equipment's work mode while connecting with them. As for the indicators estate, please refer to the indicators introduction on the previous page. If the indicator is not on when connected normally, please check whether other network equipments work well, the network cable is damaged or not, the power supply indicator of switch is on or not.

## Article List

Unpack the packing box, the following should be included. (The following list is just for your reference, actual article list should be compliant with the shipment.)

Article	Quantity
TEH160SK switch	1
AC9V1200mA transformer	1
User manual	1
Product guarantee card	1

## Guarantee Notice

### 1. Guarantee Period

One year guarantee is provided after purchase date.

### 2. Guarantee Article

- Guarantee is just for the products from Shenzhen Tenda technology CO., LTD
- The fault happens because of the normal use during the guarantee period, according to the guarantee article, bring forth the product guarantee card, invoice or receipt(copy), you can enjoy the free maintenance service in the purchase site, especial case, you can contact the company office or headquarters.
- For the following circumstance, you have to pay some charge for material, maintenance or transportation according to the circumstance.
  - ❶ Beyond the guarantee period, fault happen because of normal use.
  - ❷ Fail to bring forth the guarantee card, guarantee card wasn't fill in exactly, some items are without filling in or there is mark that the guarantee card is altered.
  - ❸ Product is abnormally used, such as man-made damage, or high temperature, high pressure, humidity that lead to the damage. If the damage is not serious, the maintenance can be done on the condition of charge.
  - ❹ After the client get the product from the company, the fault or damage happen because of transportation, convey and so on, but not the product quality problem.

- ⑤ Fail to operate according to the use method and notice shown on the user manual. The fault and damage happen.
- For the following, the company will not maintain it:
  - ① The product isn't produced and sold by Tenda Company.
  - ② Without permission of Tenda, privately unpack the casing, maintain the product.

Customer service Website: [www.tenda.cn](http://www.tenda.cn)

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