



# D-Link Power Over Ethernet Switch User Manual

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## D-Link Power Over Ethernet Switch



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### Product quality warranty card

Company name: \_\_\_\_\_

Contact: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Product name: \_\_\_\_\_  
Model Number: \_\_\_\_\_  
Product serial number: \_\_\_\_\_  
Production date: \_\_\_\_\_

## Fault phenomenon

## Certificate of approval

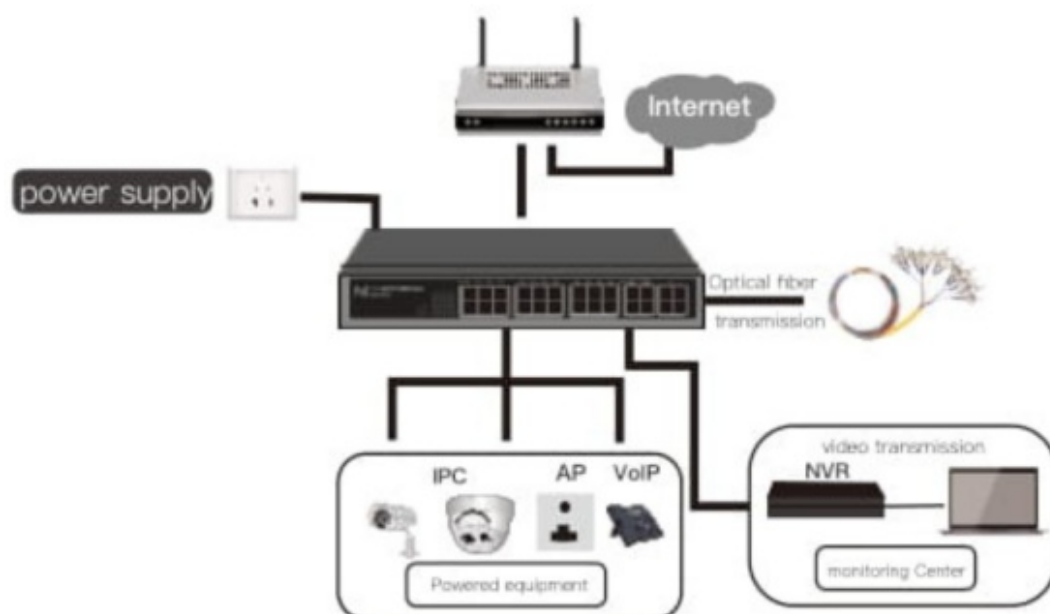
Product name: \_\_\_\_\_  
Model Number: \_\_\_\_\_  
Serial number: \_\_\_\_\_  
Production Date: \_\_\_\_\_  
Delivery Date: \_\_\_\_\_  
Inspection result: \_\_\_\_\_

## Application

- Urban network, such as telecommunication, cable TV, operator or network system integration, etc.
- Appropriative network: Finance, government, oil company, railway, public security network, traffic, education, etc.
- Multimedia transmission: image, voice, data integrated transmission suitable for remote teaching, teleconference, video TV and other applications
- Real-time monitoring: control the transmitting of signals, images and data in real-time
- Resistant to harsh environment suitable for strong electromagnetic interference, networking in harsh environments and long distances

## Connection diagram

PoE switch connection diagram



## Product Description

10/100M or 10/100/ 1000M Power over Ethernet Switch (PoE Switch ) adopt the high quality, high speed network IC and the most stable PoE chips, PoE compliance the standards of 802.3af or 802.3at .This series of PoE switches can flexibly switching between 10/ 100M or 10/ 100/ 1000M ethernet and the PoE power ports can automatically detect devices connected and power the devices comply with the IEEE802.3af or IEEE802.3at standards ,If non- PoE devices connected , the power supply will be automatically blocked and only data is transmitted .

PoE technology (Power over Ethernet) is Power over Ethernet technology. It is used for some IP-based terminals devices ,Such as IP phones, wireless access points IP cameras, etc.PoE can power supply to the devices connected while data transmitting.

This series of PoE switches have PoE ports and 1 or 2 RJ45 uplink non-PoE port, some models may have fiber ports .The RJ45 uplink ports or fiber ports only be used for data transmitting. This series of PoE has 4 ports PoE , 8 ports PoE, 16 ports PoE, 24 ports PoE.

## Packing List

- |  |     |
|--|-----|
| • 4-port / 8-port / 10-port / 16-port / 24-port PoE Switch | One |
| • DC48-52V(External)                                       | One |
| • Manual Warranty card,Certificate of approval             | One |

## Performance features

- Supports wireless access point (AP) via cat5 UTP up cable, power supply for surveillance cameras.
- Ports 1 ~24 POE support IEEE802.3af or IEEE802.3at (optional)
- 10/100M or 10/100/ 1000M Auto adapting
- The uplink ports or optical ports are non- PoE 100M or 1000M (optional)
- Compliant with standards of IEEE802.3 10Base-T and IEEE802.3u 100Base-TX
- Flow control mode. full-duplex IEEE802.3x, half-duplex Back pressure
- Support ports auto MDI/DIX
- Support uplink ports lightning protection
- Maximum power consumption 15.4W (af ) or 30W (at) each port
- Auto store-and-forward.
- Each port supports wire-speed switching, the range of 64 to 1536 frames all can reach wire speed.
- Supports MAC address learning, auto- updating
- High performance full load power adapter included


## Performance Feature

| Network protocol<br>Executive standard | <ul style="list-style-type: none"> <li>-IEEE 802.3 10BASE-T</li> <li>-IEEE 802.3u 100BASE-TX</li> <li>-IEEE 802.3ab 1000BASE-T</li> <li>-IEEE 802.3z 1000BASE-X</li> <li>-IEEE 802.3x flow control</li> <li>-IEEE 802.3af/at Power over Ethernet</li> </ul> |    |        |                               |                               |
|--|---|----|--------|-------------------------------|-------------------------------|
| Product code                           | Power port  |    | Uplink |                               | Power                         |
|  | 100M  | 1G | 100M   | 1G                            |                               |
| TXE104/009                             | 4   |    | 1      |                               | refer to the adapter included |
| TXE022/023                             |   | 4  |        | 1                             | refer to the adapter included |
| TXE093/012/011                         | 4   |    | 2      |                               | refer to the adapter included |
| TXE021                                 |   | 4  |        | 2                             | refer to the adapter included |
| TXE086/008                             | 8   |    | 1      |                               | refer to the adapter included |
| TXE098/089/016                         | 8   |    | 2      |                               | refer to the adapter included |
| TXE087/088                             |   | 8  |        | 2 RJ45 ports<br>2 fiber ports | refer to the adapter included |
| TXE028                                 | 16  |    |        | 2 RJ45 ports<br>1 fiber ports | refer to the adapter included |
| TXE163                                 | 24  |    |        | 2 RJ45 ports<br>2 fiber ports | refer to the adapter included |
| TXE164                                 | 24  |    |        | 4 RJ45 ports<br>4 fiber ports | refer to the adapter included |
| Physical specification                 | <ul style="list-style-type: none"> <li>- 4-port independent desktop, 8-port independent desktop (rack optional)</li> <li>- 16-port / 24-port IU rack</li> </ul>   |    |        |                               |                               |

|                           |  |
|---------------------------|--|
| Electromagnetic radiation | <ul style="list-style-type: none"> <li>- CE mark, commercial – FCC Part 15 Class A</li> <li>- VCCI Class A – C-Tick</li> </ul>   |
| Environmental             | <ul style="list-style-type: none"> <li>- Operating temperature: 0–50°C</li> <li>- Storage temperature: –40–70°C</li> <li>- Working humidity: maximum relative humidity 90°C, No condensation</li> <li>- Storage humidity: maximum relative humidity 90 ° C, No condensation</li> <li>- Working height: maximum10,000 foot ( 3000M )</li> <li>- Storage height: maximum10,000 foot ( 3000M )</li> </ul> |
| LEDs                      | <ul style="list-style-type: none"> <li>- Per device: power</li> <li>- (10/100 and Gigabit): connection, speed indicator</li> <li>- PoE power supplying indicator</li> </ul>  |

| Part Name                      | Toxic or hazardous substances or elements |               |               |                  |     |      |
|--------------------------------|---|---------------|---------------|------------------|-----|------|
|                                | Pb& compounds                             | Hg& compounds | Cd& compounds | Cr(VI) compounds | PBB | PBDE |
| PCB                            | ○   | ○             | ○             | ○                | ○   | ○    |
| PCBA solder point              | ×   | ○             | ○             | ○                | ○   | ○    |
| Components (including modules) | ×   | ○             | ○             | ○                | ○   | ○    |
| Metal parts                    | ○   | ○             | ○             | ○                | ○   | ○    |
| Plastic parts                  | ○   | ○             | ○             | ○                | ○   | ○    |
| Paper accessories              | ○   | ○             | ○             | ○                | ○   | ○    |
| Glass                          | ○   | ○             | ○             | ○                | ○   | ○    |
| CD                             | ○   | ○             | ○             | ○                | ○   | ○    |
| Cable                          | ○   | ○             | ○             | ○                | ○   | ○    |

This form is prepared in accordance with the standard of SJ/T11364.  
 ○: Indicates that the content of the hazardous substance in homogeneous materials under the limit of standard GB/T26572.  
 ×: Indicates that the content of hazardous substance is in homogeneous materials over the limit of GB/T26572.(this situation may happens in few stock finished goods and semi-finished products ,we are arranging rectifying to let all goods compliant with Standard above)

 The content of hazardous declared above only base on device be operated in the environment stipulated in this manual.

## Documents / Resources

|  |   |
|--|---|
|  | <p><a href="#">D-Link Power Over Ethernet Switch</a> [pdf] User Manual<br/>N7R5z4EOXEw8, Power Over Ethernet Switch</p> |
|--|---|

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