

Product Highlights

High-speed Wired Connection

Connect up to eight Ethernet devices to enjoy a high-speed network connection

Plug and Play

Auto MDI/MDIX simplifies cable connections, allowing for immediate usage and operation

Compact Design

Stylish, compact design can be placed anywhere



DES-1008A

8-Port 10/100 Switch

Features

Connectivity

- Eight Fast Ethernet LAN ports for high-speed wired connections
- IEEE802.3az EEE Power-saving compliance
- D-Link Green Technology features power-saving by link status and by cable length
- Auto-sensing ports automatically detect network connections and adjust accordingly

The DES-1008A 8-Port 10/100 Switch is an 8-port 10/100 Mbps Fast Ethernet switch that allows you to quickly set up a wired network. Connect the DES-1008A to multiple computers together to share files and folders, or connect it to a router to share an Internet connection.

Auto-sensing 10/100 Ports

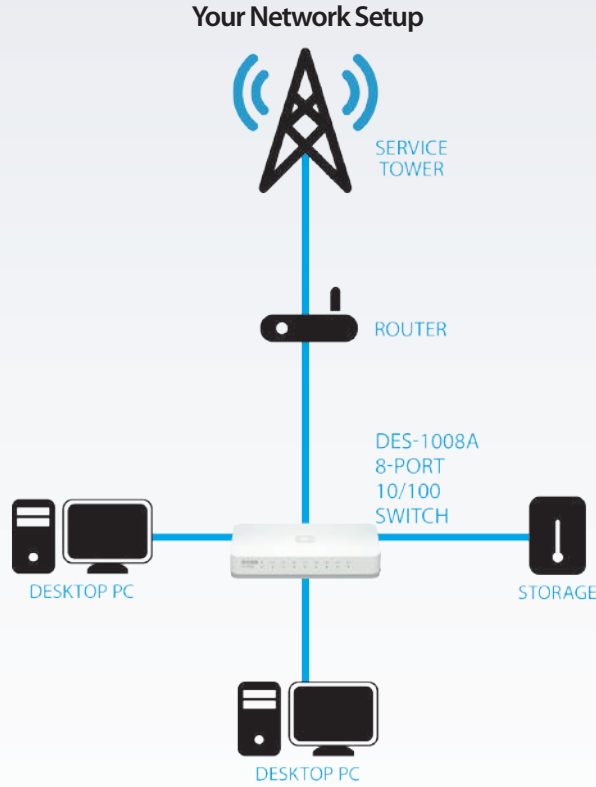
The D-Link DES-1008A 8-Port 10/100 Switch uses auto-sensing 10/100 Mbps ports, allowing a small workgroup to flexibly connect to Ethernet and Fast Ethernet devices to create an integrated network. These ports detect the network speed and auto-negotiate between 10BASE-T and 100BASE-TX, as well as between full and half-duplex, allowing you to get the maximum speed possible for each device connected to your network.

Auto MDI/MDIX CrossOver

All ports support automatic MDI/MDIX crossover, eliminating the need for crossover cables or uplink ports. Each port can be plugged directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables.

Flow Control for Secure Transmission

802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full. This gives you a more reliable connection for all of your connected devices, ensuring smooth and uninterrupted network connection.



Technical Specifications

General

| | |
|-------------------|--|
| Device Interfaces | • Eight 10/100 Fast Ethernet LAN ports |
|-------------------|--|

Functionality

| | | |
|-------------------|---|---|
| Advanced Features | <ul style="list-style-type: none"> • Green Ethernet • 1.6 Gbps switching fabric • Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Compliance with IEEE802.3az EEE power saving | <ul style="list-style-type: none"> • Full/half-duplex for Ethernet/Fast Ethernet speeds • IEEE 802.3x Flow Control • Plug-and-play installation • RoHS compliant • Supports 2048-byte Jumbo Frames |
|-------------------|---|---|

| | |
|----------|-----------|
| Protocol | • CSMA/CD |
|----------|-----------|

| | |
|---------------------|---|
| Data Transfer Rates | <ul style="list-style-type: none"> • Ethernet: <ul style="list-style-type: none"> • 10 Mbps (half duplex) • 20 Mbps (full duplex) • Fast Ethernet: <ul style="list-style-type: none"> • 100 Mbps (half duplex) • 200 Mbps (full duplex) |
|---------------------|---|

| | |
|---------------------|---------------------|
| Transmission Method | • Store-and-forward |
|---------------------|---------------------|

| | |
|-------------------|------|
| MAC Address Table | • 2K |
|-------------------|------|

| | |
|----------------------|--------------------|
| MAC Address Learning | • Automatic Update |
|----------------------|--------------------|

| | | |
|-----------------------------------|---------------------------------|---------------------------------------|
| Packet Filtering/Forwarding Rates | • Ethernet: 14,880 pps per port | • Fast Ethernet: 148,800 pps per port |
|-----------------------------------|---------------------------------|---------------------------------------|

| | |
|------------|--------------------|
| RAM Buffer | • 96 KB per device |
|------------|--------------------|

Physical

| | | |
|----------------|---------------------------|---------------------|
| LED Indicators | • Per port: Link/Activity | • Per device: Power |
|----------------|---------------------------|---------------------|

DES-1008A 8-Port 10/100 Switch

| | | |
|--------------------------|---|---|
| Media Interface Exchange | • Auto MDI/MDIX adjustment for all ports | |
| Dimensions | • 141.5 x 78.5 x 23.8 mm (5.57 x 3.09 x 0.94 inches) | |
| Power | • 5 V/0.55 A Power Adapter | |
| Heat Dissipation | • Power On (Standby): AC input:2.0472 Btu/h | • Maximum: AC input:7.47228 Btu/h |
| Power Consumption | • Power On (Standby): DC input: 0.36 watts, AC input: 0.6 watts | • Maximum: DC input: 1.78 watts, AC input: 2.19 watts • Link Up: EEE mode: DC input: 0.75 watts AC input: 1.1. watts |
| Temperature | • Operating: 0 to 40 °C (32 to 104 °F) | • Storage: -10 to 70 °C (14 to 158 °F) |
| Humidity | • Operating: 10% to 90% non-condensing | • Storage: 5% to 90% non-condensing |
| MTBF | • 2,137,319 hours | |
| Certifications | • CE Class B • FCC Class B • cUL | • CB • VCCI Class B |
| Order Information | | |
| <i>Part Number</i> | <i>Description</i> | |
| DES-1008A | 8-Port 10/100 Switch | |

Updated 2013/05/20