



- Economical yet innovative fanless design runs cool and quiet
- Gigabit ports allow you to connect all your devices for fast file transfers and smooth media streaming
- Reduced energy consumption without sacrificing performance

## 16/24 Port Gigabit Unmanaged Metal Desktop or Rackmount Switch

### Product Highlights

- Sixteen or Twenty-four 10/100/1000Mbps Ports
- Up to 1 Gbps of Dedicated Bandwidth per Port and up to 2Gbps Bandwidth in Full-Duplex mode
- Compatible with All Popular Operating Systems
- Plug & Play Installation
- Conserves energy with D-Link Green Technology
- Supports MAC address learning
- 5 Year Limited Warranty<sup>1</sup>

The GO-SW-16GE and GO-SW-24GE Unmanaged Metal Desktop and Rackmount switches are designed with Gigabit Ethernet connectivity with speeds up to 10x faster than 10/100 Ethernet and D-Link's Green Technology for energy savings. These switches have a durable metal case that can be used on a desk or in a network rack (rack kit included). With diagnostic port LEDs on the front panel you can quickly detect and correct problems on your network.

The Go Series line of switches offer an economical way for small offices and home offices (SOHO) to deploy an energy-efficient switch that features the increased bandwidth of Gigabit ports.

GO-SW-16GE & GO-SW-24GE

### Features

- Built-in D-Link Green Technology
- Inexpensive Gigabit solution for Home/SOHO
- 16 or 24 10/100/1000 Mbps Gigabit ports
- 32/48Gbps switching fabric
- Auto MDI/MDIX crossover for all ports
- Secure store-and-forward switching scheme
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- RoHS compliant
- Plug-and-play installation

### Gigabit on Every Port

The 16/24-Port Gigabit Unmanaged Desktop or Rackmount Switch series brings the speed of Gigabit Ethernet to each and every port for a truly high-speed network. If your network has a mix of legacy and modern computing capabilities, each port allows for standard Ethernet, Fast Ethernet, or Gigabit Ethernet connections. You have the latest technology available to every computer and device connected to your network.

### Easy to Install and Maintain

These switches were designed for Plug-and-Play and hassle-free installation. Auto-MDI/MDI-X crossover on all ports eliminates the need for crossover cables when connecting to another switch or hub. Auto-negotiation on each port senses the link speed of a network device (either 10, 100, or 1000Mbps) and intelligently adjusts for compatibility and optimal performance. Diagnostic LEDs and cable diagnostics allow for quick detection and correction of network problems

### Conserves Energy

The 16/24-Port Gigabit Unmanaged Desktop or Rackmount Switch series helps you conserve energy automatically through several methods. It automatically powers down ports that have no link, allowing the switch to save substantial amounts of power by cutting power usage for unused ports or any ports connected to computers that have been shut down. It also supports 802.3az Energy Efficient Ethernet and can save further power with EEE compatible devices.

### Package Contents

- 16 or 24 port Gigabit Unmanaged Metal Desktop or Rackmount Switch (GO-SW-16GE / GO-SW-24GE)
- Power Cord
- Rubber Feet
- Rackmount Kit
- Quick Install Guide

### Minimum System Requirements

- Devices Supporting 802.3 Ethernet, 802.u Fast Ethernet, or 802.3ab Gigabit Ethernet
- Cat5 or better Ethernet Cable
- Network Interface Card for each computer



| Technical Specifications |   |   |
|--------------------------|---|---|
|                          | GO-SW-16GE  | GO-SW-24GE  |
|                          |    |    |
| Number of Ports          | • Sixteen 10/100/1000 Gigabit Ports   | • Twenty-four 10/100/1000 Gigabit Ports   |
| Switching Fabric         | • 32Gbps  | • 48Gbps  |
| Standards                | <ul style="list-style-type: none"> <li>• IEEE 802.3 10BASE-T Ethernet</li> <li>• IEEE 802.3u 100BASE-TX Fast Ethernet</li> <li>• IEEE 802.3ab 1000BASE-T Gigabit Ethernet</li> <li>• ANSI/IEEE 802.3 NWay auto-negotiation</li> <li>• IEEE 802.3x Flow Control</li> </ul>   |   |
| Data Transfer Rates      | <ul style="list-style-type: none"> <li>• Ethernet: <ul style="list-style-type: none"> <li>- 10 Mbps (half duplex)</li> <li>- 20 Mbps (full duplex)</li> </ul> </li> <li>• Fast Ethernet: <ul style="list-style-type: none"> <li>- 100 Mbps (half duplex)</li> <li>- 200 Mbps (full duplex)</li> </ul> </li> <li>• Gigabit Ethernet: <ul style="list-style-type: none"> <li>- 2000 Mbps (full duplex)</li> </ul> </li> </ul> |   |
| Network Cables           | <ul style="list-style-type: none"> <li>• 10BASE-T: <ul style="list-style-type: none"> <li>- UTP CAT 3, 4, 5/5e, (100 m max)</li> <li>- EIA/TIA-586 100-ohm STP (100 m max)</li> </ul> </li> <li>• 100BASE-TX, 1000BASE-T: <ul style="list-style-type: none"> <li>- UTP CAT 5/5e, (100 m max)</li> <li>- EIA/TIA-586 100-ohm STP (100 m max)</li> </ul> </li> </ul>  |   |
| Media Interface Exchange | • Auto MDI/MDIX   |   |
| D-Link Green Features    | <ul style="list-style-type: none"> <li>• IEEE 802.3az Energy Efficient Ethernet (EEE)</li> <li>• Link status detection power saving</li> <li>• RoHS Compliance</li> </ul>   |   |
| Switching Method         | • Store-and-forward   |   |
| MAC Address Table        | • 8K MAC addresses  |   |
| RAM Buffer               | • 4 Mbits   | • 512 KBytes  |
| Jumbo Frames             | • 9216 Bytes  | • 9600 Bytes  |
| QoS                      | • 4 Queues, strict mode   |   |
| Physical Specifications  |   |   |
| LEDs                     | <ul style="list-style-type: none"> <li>• Power LED</li> <li>• 16 Link/Activity/Speed LEDs (one per port)</li> </ul>   | <ul style="list-style-type: none"> <li>• Power LED</li> <li>• 24 Link/Activity/Speed LEDs (one per port)</li> </ul>                     |
| Power Input              | • 100 to 240V AC input  |   |
| Power Consumption        | <ul style="list-style-type: none"> <li>• Standby: 4.78 watts</li> <li>• Maximum: 10.24 watts</li> </ul>   | <ul style="list-style-type: none"> <li>• Standby: 6.5 watts</li> <li>• Maximum: 13.5 watts</li> </ul>                                   |
| Heat Dissipation         | <ul style="list-style-type: none"> <li>• Power On (Standby) AC input: 16.3 BTU/h</li> <li>• Maximum DC input: 34.94 BTU/h</li> </ul>  | <ul style="list-style-type: none"> <li>• Power On (Standby) AC input: 22.165 BTU/h</li> <li>• Maximum DC input: 44.035 BTU/h</li> </ul> |

# GO-SW-16GE & GO-SW-24GE

## 16/24 Port Gigabit Unmanaged Metal Desktop or Rackmount Switch

|                       | GO-SW-16GE  | GO-SW-24GE  |
|-----------------------|---|---|
| MTBF                  | • 795,539hours  | • 633,536 hours   |
| Operating Temperature | • 32 to 104 °F (0 to 40 °C)   |   |
| Storage Temperature   | • 14 to 158 °F (-10 to 70 °C)   |   |
| Humidity              | • 5% to 90% RH non-condensing   |   |
| Dimensions            | • 11.02 (W) x 4.92 (D) x 1.73 (H) inches<br>(280 x 125 x 44 mm)   | • 11.02 (W) x 7.09 (D) x 1.73 (H) inches<br>(280 x 180 x 44 mm)       |
| Weight                | • 2.29 lbs. (1.04 kg)   | • 2.95 lbs. (1.34 kg)   |
| Certifications        | <ul style="list-style-type: none"> <li>• FCC Class A</li> <li>• ICES-003 Class A</li> <li>• CE Class A</li> <li>• C-Tick Class A</li> </ul> | <ul style="list-style-type: none"> <li>• cUL</li> <li>• CB</li> </ul> |
| Ordering Information  |   |   |
| Part Number           | Description   |   |
| GO-SW-16GE            | 16-Port Gigabit Unmanaged Desktop or Rackmount Switch   |   |
| GO-SW-24GE            | 24-Port Gigabit Unmanaged Desktop or Rackmount Switch   |   |
| Warranty Information  |   |   |
| Warranty              | • 5 Year Limited Warranty   |   |

<sup>1</sup>5 Year Limited Warranty is available only in the USA. All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

### For more information

U.S.A. | 17595 Mt. Herrmann Street | Fountain Valley, CA 92708 | 800.326.1688 | [us.dlink.com](http://us.dlink.com)

All references to speed and range are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

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