

Product Highlights

Gigabit High-Speed Networking

Gigabit ports allow you to connect up to 16 or 24 devices for fast file transfers and smooth media streaming

Easy Setup / Plug Play

Require no configuration, so setup is simple and hassle-free, and you can easily connect multiple computers, share files, music, and video across your home or small office network, or even create a multiplayer gaming environment

6KV Surge Protection

Enhanced with 6KV surge protection Effectively guard equipment from lightning damage



DGS-1016C/1024C

16/24-Port 10/100/1000 Mbps Unmanaged Switch

Features

Fast Connectivity

- Sixteen or twenty-four (DGS-1016C/DGS-1024C) Gigabit LAN ports for high-speed wired connections
- Plug-and-play installation for convenience no need to be a tech savvy as the device will work from out of the box
- Supports 6KV protection for power supply on all ports

The DGS-1016C and DGS-1024C 10/100/1000 Mbps unmanaged switches are economical, plug-and-play networking switch solutions for SOHO and small and medium businesses wanting to benefit from the increased bandwidth of Gigabit Ethernet. They provide 16 or 24 10/100/1000 Mbps ports that enable you to easily expand your network and provide a quick way to upgrade your network to fast connectivity.

Upgrade to Gigabit Networking

With data transfer speeds of up to 2000 Mbps at full-duplex, these switches are ideal for quick file transfers, online gaming and smooth streaming media. They feature easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status. Auto-MDI/MDIX crossover makes connections a cinch; just plug in your cables and you're ready to go.

Reliable Plug and Play Installation

The DGS-1016C and DGS-1024C are plug-and-play devices that require no configuration, so setup is simple and hassle-free, and you can easily connect multiple computers, share files, music, and video across your home or small office network, or even create a multiplayer gaming environment. IEEE 802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full, giving you a more reliable connection for all of your connected devices.

16/24-Port 10/100/1000 Mbps Unmanaged Switch

DGS-1016C



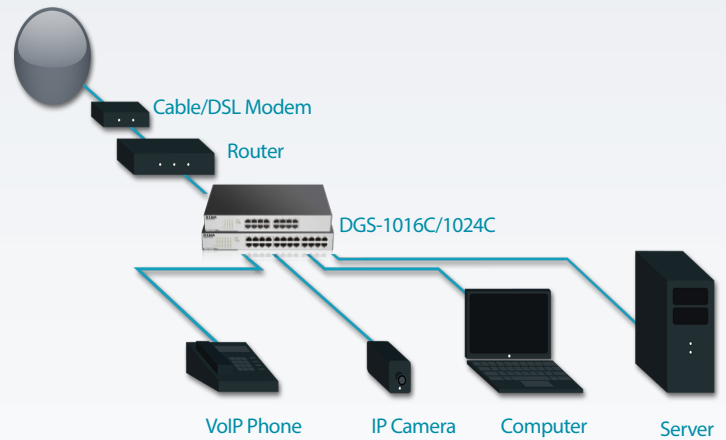
Sixteen 10/100/1000 Gigabit Ethernet Ports

DGS-1024C



Twenty-four 10/100/1000 Gigabit Ethernet Ports

Your Network Setup



Technical Specifications

General	DGS-1016C	DGS-1024C
Device Interfaces	• 16 x 10/100/1000 Mbps LAN ports	• 24 x 10/100/1000 Mbps LAN ports
Standards	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3x Flow Control • Support Layer 2 OSI Model 	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3x Flow Control • Support Layer 2 OSI Model
Functionality		
Switching Capacity	• 32 Gbps	• 48 Gbps
Advanced Features	<ul style="list-style-type: none"> • Auto-MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds • Supports 9,216 bytes jumbo frames • Back pressure at half-duplex operation • Wire-speed reception and transmission • Auto-negotiation for each port 	<ul style="list-style-type: none"> • Auto-MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds • Supports 9,216 bytes jumbo frames • Back pressure at half-duplex operation • Wire-speed reception and transmission • Auto-negotiation for each port
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) • Gigabit Ethernet <ul style="list-style-type: none"> • 2000 Mbps (full-duplex) 	<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) • Gigabit Ethernet <ul style="list-style-type: none"> • 2000 Mbps (full-duplex)

16/24-Port 10/100/1000 Mbps Unmanaged Switch

Transmission Method	• Store-and-forward	• Store-and-forward
MAC Address Table Size	• 8,000 entries	• 8,000 entries
Packet Filtering/Forwarding Rates	<ul style="list-style-type: none"> Ethernet: 14,880 pps per port Fast Ethernet: 148,800 pps per port Gigabit Ethernet: 1,488,000 pps per port 	<ul style="list-style-type: none"> Ethernet: 14,880 pps per port Fast Ethernet: 148,800 pps per port Gigabit Ethernet: 1,488,000 pps per port
Physical		
LED Indicators	<ul style="list-style-type: none"> 16*Link/Act indicator 1*Power Indicator 	<ul style="list-style-type: none"> 24*Link/Act Indicator 1*Power Indicator
Media Interface Exchange	• Auto-MDI/MDIX adjustment for all ports	• Auto-MDI/MDIX adjustment for all ports
Dimensions	• 29.4 cm x 17.9 cm x 4.4 cm	• 29.4 cm x 17.9 cm x 4.4 cm
Power Input	• 100 to 240 V AC	• 100 to 240 V AC
Transmission Media	<ul style="list-style-type: none"> 10BASE-T: UTP category 3, 4, 5 cable 100BASE-TX/1000BASE-T: UTP category 5, 5e or above 	<ul style="list-style-type: none"> 10BASE-T: UTP category 3, 4, 5 cable 100BASE-TX/1000BASE-T: UTP category 5, 5e or above
Temperature	<ul style="list-style-type: none"> Operating: 0 to 45°C Storage: -40 to 70°C 	<ul style="list-style-type: none"> Operating: 0 to 45°C Storage: -40 to 70°C
Humidity	<ul style="list-style-type: none"> Operating: 10% to 90% non-condensing Storage: 5% to 90% non-condensing 	<ul style="list-style-type: none"> Operating: 10% to 90% non-condensing Storage: 5% to 90% non-condensing
Lightning Proof	• 6KV for power supply, 6KV for all ports	• 6KV for power supply, 6KV for all ports
Certification	<ul style="list-style-type: none"> CE FCC 	<ul style="list-style-type: none"> CE FCC
Order Information		
<i>Part Number</i>	<i>Description</i>	
DGS-1016C	16-Port 10/100/1000 Mbps Unmanaged Switch	
DGS-1024C	24-Port 10/100/1000 Mbps Unmanaged Switch	

Updated 2022/04/06