

Product Highlights

Eco-friendly and Economical

Innovative design runs reliably and quietly, saving energy while cutting costs without sacrificing connectivity

High-speed Networking

Fast Ethernet ports allow you to expand your network and connect all your devices, allowing quick data transfers and smoother media streaming

Plug and Play

Effortlessly upgrade your network by simply plugging in your network devices to any of the ports to get online quickly



DES-1026G

24-Port 10/100 Mbps Switch with 2 Gigabit Copper/SFP Ports

Features

Superior Connectivity

- 24 10/100 Mbps Fast Ethernet ports
- 2 Gigabit Copper/SFP ports
- Flow control for protection against data loss for each port

Auto Configuration

- Auto-learning of network configuration
- Secure store-and-forward switching scheme
- Per-port auto-correction of reverse twisted-pair polarity
- Standard 19-inch rack-mount size

Easy to Set Up

- 26 plug-and-play ports
- Auto MDI/MDIX for each port
- Full/half-duplex support for each port

The DES-1026G 24-Port 10/100 Mbps Switch with 2 Gigabit Copper/SFP Ports is an unmanaged 10/100 Mbps switch designed to enhance workgroup performance while providing a high level of flexibility. It provides 24 10/100 Mbps ports for workstation connection, plus 2 copper/SFP Gigabit ports for flexible deployment, allowing a network to multiply bandwidth, boost response time, and satisfy heavy load demands.

Increased Productivity

The DES-1026G comes with 24 10/100 Mbps ports, allowing a small network to flexibly integrate to Ethernet and Fast Ethernet. These intelligent ports detect the network speed and auto-negotiate between 100BASE-TX and 10BASE-T, as well as between full and half-duplex, letting you focus on work-day productivity rather than connectivity issues.

Instantly Upgrade to Gigabit Speeds

2 Copper/SFP Gigabit ports provide an alternative solution to fiber-optic or copper twisted-pair wires as the transmission media, allowing you to instantly upgrade your network to Gigabit capability without requiring installation of new, expensive fiber cables. Both ports support 10/100/1000 Mbps network speed auto-sensing and full/half-duplex auto-negotiation, keeping you up to date with the latest technologies in switch connectivity. Additionally, all ports support flow control, which minimizes dropped packets by sending out collision signals when the port's receiving buffer is full, ensuring reliable connectivity.

Plug and Play

All ports support auto-negotiation MDI/MDIX crossover, which eliminates the need for crossover cables or uplink ports. Any port can simply plug to a workstation, a server, a hub or a switch using the usual straight-through twisted-pair cable, saving you time and money. With 26 plug-and-play ports, the switch is a perfect choice for workgroups to upgrade performance in a client/server environment. The ports can be connected to workstations and servers in full-duplex, or hubs in half-duplex.

24-Port 10/100 Mbps Switch with 2 Gigabit Copper/SFP Ports

Technical Specifications

General

Standards	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • ANSI/IEEE 802.3 NWay auto-negotiation 	<ul style="list-style-type: none"> • IEEE 802.3x Flow Control • IEEE 802.3z 1000BASE-X (fiber-optic) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper)
Number of Ports	<ul style="list-style-type: none"> • 24 10/100 Mbps ports • 2 10/100/1000 Mbps ports 	<ul style="list-style-type: none"> • 2 SFP ports
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) 	<ul style="list-style-type: none"> • Gigabit Ethernet: <ul style="list-style-type: none"> • 2000 Mbps (full-duplex)

Functionality

Switching Fabric	<ul style="list-style-type: none"> • Non-blocking 	<ul style="list-style-type: none"> • 8.8 Gbps
Network Cables	<ul style="list-style-type: none"> • 10BASE-T: <ul style="list-style-type: none"> • UTP CAT 3/4/5/5e (100 m max.) • EIA/TIA-586 100-ohm STP (100 m max.) • 100BASE-TX <ul style="list-style-type: none"> • UTP CAT 5/5e (100 m max.) • EIA/TIA-568 100-ohm STP (100 m max.) 	<ul style="list-style-type: none"> • 1000BASE-X (fiber-optic) <ul style="list-style-type: none"> • Single-mode and multi-mode fiber
Media Interface Exchange	<ul style="list-style-type: none"> • Auto MDI/MDI-X for each port 	
Transmission Method	<ul style="list-style-type: none"> • Store-and-forward 	
MAC Address Table	<ul style="list-style-type: none"> • 8K entries per device 	
MAC Address Learning	<ul style="list-style-type: none"> • Automatic update 	
Packet Filtering/Forwarding Rates	<ul style="list-style-type: none"> • 10BASE-T: 14,880 pps per port (half-duplex) • 100BASE-TX: 148,810 pps per port (half-duplex) 	<ul style="list-style-type: none"> • Gigabit Ethernet: 1,488,100 pps per port
RAM Buffer	<ul style="list-style-type: none"> • 512K Bytes 	
Topology	<ul style="list-style-type: none"> • Star 	
Status/Diagnostic LEDs	<ul style="list-style-type: none"> • Per port: <ul style="list-style-type: none"> • Link/Activity • 100 Mbps speed (10/100 Mbps ports) • 100 Mbps, 1000 Mbps speeds (10/100/1000 Mbps) 	<ul style="list-style-type: none"> • Per device: <ul style="list-style-type: none"> • Power

Physical

Dimensions	<ul style="list-style-type: none"> • 440 x 140 x 44 mm (17.32 x 5.51 x 1.73 inches) 	<ul style="list-style-type: none"> • 19-inch rack-mount width, 1U height
Weight	<ul style="list-style-type: none"> • 1.836 kg (4.1 lbs) 	
Power Consumption	<ul style="list-style-type: none"> • Standby: 3.25 Watts 	<ul style="list-style-type: none"> • Maximum: 6.6 Watts
Heat Dissipation	<ul style="list-style-type: none"> • Standby: 11.1 BTU/h 	<ul style="list-style-type: none"> • Maximum: 22.8 BTU/h
MTBF	<ul style="list-style-type: none"> • 652,038 hours 	
Temperature	<ul style="list-style-type: none"> • Operating: 0 to 40 °C (32 to 104 °F) 	<ul style="list-style-type: none"> • Storage: -10 to 70 °C (14 to 158 °F)
Humidity	<ul style="list-style-type: none"> • Operating: 10% to 90% non-condensing 	<ul style="list-style-type: none"> • Storage: 5% to 95% non-condensing
Certifications	<ul style="list-style-type: none"> • FCC/CE • CCC 	<ul style="list-style-type: none"> • BSMI • UL/cUL

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Order Information	
<i>Part Number</i>	<i>Description</i>
DES-1026G	24-Port 10/100 Mbps Switch with 2 Gigabit Copper/SFP Ports

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