

5-Port Gigabit Desktop Switch

Compact switch for high-speed Gigabit connectivity with smart energy-efficient capabilities

DGS-1005A

- 5 Gigabit Ethernet LAN ports for high-speed wired connections
- Reduces power to a port when no link is detected
- Save power with 802.3az Energy Efficient Ethernet



Gigabit Ports

Gigabit ports provide high-speed connectivity for your devices



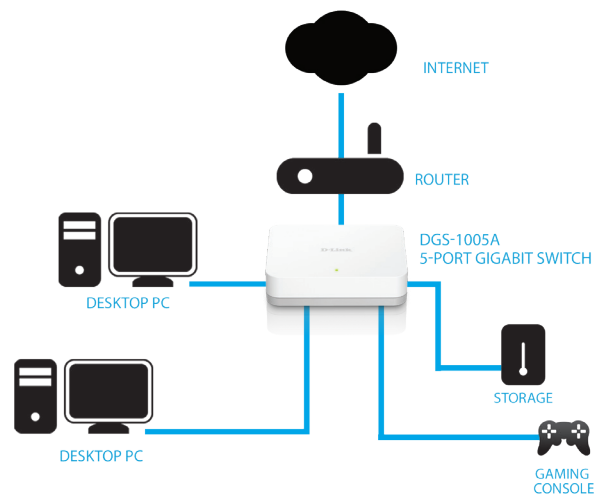
Power-Saving Technology

Power to port is reduced when inactivity is detected and 802.3az Energy Efficient Ethernet saves overall power consumption



Fast, Reliable Networking

QoS prioritization keeps your latency-sensitive services such as voice and video running smoothly



Technical Specifications

General

Device Interfaces	5 x Gigabit Ethernet LAN ports, 1 x power connector	
Standards	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet 	<ul style="list-style-type: none"> • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.3az Energy-Efficient Ethernet (EEE)

Functionality

Advanced Features	<ul style="list-style-type: none"> • Green Ethernet • 10 Gbps switching fabric • Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme 	<ul style="list-style-type: none"> • Full/half-duplex for Ethernet/Fast Ethernet speeds • IEEE 802.3x Flow Control • Supports 9KB Jumbo Frame • Supports IEEE 802.1p QoS
Data Transfer Rates	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)
Transmission Method	Store-and-forward	
MAC Address Table	2 K	
MAC Address Learning	Automatic Update	
Packet Filtering/Forwarding Rates	<ul style="list-style-type: none"> • Ethernet: 14,880 pps per port • Fast Ethernet: 148,800 pps per port 	<ul style="list-style-type: none"> • Gigabit Ethernet: 1,488,000 pps per port
Packet Buffer	128 KB	

Physical

LED Indicators	<ul style="list-style-type: none"> • Per port: Link/Activity 	<ul style="list-style-type: none"> • Per device: Power
Media Interface Exchange	<ul style="list-style-type: none"> • Auto MDI/MDIX for all ports 	
Dimensions	<ul style="list-style-type: none"> • 94 x 75 x 22.45 mm 	
Weight	<ul style="list-style-type: none"> • 75 g 	
Power	<ul style="list-style-type: none"> • 5 V/1 A Power Adapter 	
Power Consumption	<ul style="list-style-type: none"> • Maximum AC input: 2.87 W 	<ul style="list-style-type: none"> • Standby AC input: 0.47 W
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 90% non-condensing
MTBF	<ul style="list-style-type: none"> • 1,479,725 hours 	
Certifications	<ul style="list-style-type: none"> • CE class B • FCC class B • ICES-003 Class B • VCCI class B • BSMI 	<ul style="list-style-type: none"> • LVD • RCM • Anatel • KCC

Ordering Information

DGS-1005A	5-Port Gigabit Desktop Switch
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