TP TL-SG1005D

TP-Link TL-SG1005D 5-Port Gigabit Desktop Switch

Product Overview

TP-Link TL-SG1005D 5-Port Gigabit Desktop Switch; 5 x 10/100/1000Mbps RJ45 ports; Auto Negotiation; Auto MDI/MDIX; IEEE 802.3x Flow Control; Green Ethernet technology; Plug and Play; Fanless design; Desktop or wall mounting; Dimensions: 140 x 88 x 23 mm











Specifications

About this product

The TP-Link TL-SG1005D 5-Port Gigabit Desktop Switch is a compact, energy-efficient networking solution designed to expand wired network connectivity at home or in the office. Featuring 5 x 10/100/1000Mbps Gigabit Ethernet ports, Auto Negotiation and Auto MDI/MDIX, it provides fast, reliable connections for computers, printers, network storage devices and other Ethernet-enabled equipment. Its plug-and-play installation requires no configuration, while Green Ethernet technology helps reduce power consumption. The compact desktop or wall-mountable design makes it ideal for small networks and workspaces. Buy the TP-Link TL-SG1005D Gigabit Switch online in South Africa for convenient and reliable wired network expansion.

Overview Summary

TP-Link TL-SG1005D 5-Port Gigabit Desktop Switch

The TP-Link TL-SG1005D is an unmanaged Gigabit Ethernet switch that provides 5 RJ45 network ports for expanding wired connectivity. Each port supports 10Mbps, 100Mbps and 1000Mbps speeds, allowing connected devices to communicate across a Gigabit network. Automatic speed negotiation and Auto MDI/MDIX simplify installation and ensure compatibility with connected network equipment.

Designed for convenient home and small office networking, this compact Ethernet switch features Green Ethernet technology to help reduce electricity consumption according to network link status and cable length. IEEE 802.3x Flow Control helps maintain reliable data transmission, while its fanless design provides silent operation. The plug-and-play functionality eliminates the need for complicated network configuration.

Performance tier: Entry-level Gigabit networking

Uses: Home networking, small office networking, wired network expansion, computer connectivity, printer networking, network storage connectivity, desktop networking, Ethernet device connections

Description

The TP-Link TL-SG1005D 5-Port Gigabit Desktop Switch provides a straightforward way to expand an existing wired Ethernet network. Designed for homes, offices and small workgroups, this unmanaged network switch adds 5 Gigabit Ethernet connections, allowing multiple compatible devices to communicate through a shared wired network infrastructure.

Gigabit Ethernet connectivity

Equipped with 5 10/100/1000Mbps RJ45 Ethernet ports, the TL-SG1005D supports Gigabit network connections for transferring large files, sharing network resources and connecting bandwidth-intensive equipment. It is suitable for computers, network printers, compatible routers, network storage devices and other Ethernet-enabled equipment.

Automatic network configuration

Auto Negotiation automatically detects the supported connection speed of each connected device and selects the appropriate operating speed. Auto MDI/MDIX eliminates the need for crossover cables, simplifying the connection process and making installation easier.

Energy-efficient networking

TP-Link Green Ethernet technology automatically adjusts power consumption according to the connection status and cable length. The switch can reduce power consumption on idle ports when connected equipment is switched off or disconnected, helping make everyday network operation more energy efficient.

Reliable data transmission

IEEE 802.3x Flow Control helps regulate data transmission between connected devices to support reliable network communication. Store-and-Forward transmission technology processes Ethernet frames before forwarding them to their destinations.

Compact and convenient design

The TL-SG1005D features a compact plastic enclosure designed for desktop placement or wall mounting. Its fanless construction allows silent operation, making it suitable for offices, studies and other environments where quiet networking equipment is preferred.

Simple plug-and-play installation

As an unmanaged Ethernet switch, the TL-SG1005D does not require software installation or manual network configuration. Connect the included power adapter, attach Ethernet cables and connect compatible network devices to expand your wired network.

Features

The TP-Link TL-SG1005D combines Gigabit connectivity, simple installation and energy-efficient operation in a compact desktop network switch.

- 5 Gigabit Ethernet ports: Five 10/100/1000Mbps RJ45 ports provide wired connectivity for multiple network devices.
- Gigabit data transfer: Supports network connections up to 1000Mbps per port for fast communication between compatible devices.
- Auto Negotiation: Automatically detects the connection speed supported by each connected device.
- Auto MDI/MDIX: Automatically adjusts Ethernet connections, eliminating the need for crossover cables.
- Green Ethernet technology: Helps reduce power consumption according to network link status and Ethernet cable length.
- IEEE 802.3x Flow Control: Helps regulate network traffic and maintain reliable data transmission.
- Plug-and-play installation: No software installation or manual configuration is required.
- Fanless operation: Silent operation makes the switch suitable for noise-sensitive environments.
- Desktop and wall mounting: Flexible placement options help accommodate different workspace layouts.
- Store-and-Forward transmission: Processes Ethernet frames before forwarding data across the network.
- Automatic idle-port power management: Helps reduce energy consumption when connected network devices are inactive.
- 802.1p/DSCP QoS: Supported on hardware versions V7 and later, providing traffic prioritisation capabilities.

What This Product Does

The TP-Link 5-Port Gigabit desktop switch TL-SG1005D provides you an easy way to make the transition to Gigabit Ethernet. Increase the speed of your network server and backbone connections, or make Gigabit to the desktop a reality. Moreover, TL-SG1005D adopts lower power consumption design. With the innovative energy-efficient technology, the TL-SG1005D can save power consumption, making it an eco-friendly solution for your home or office network.

Gigabit Switch

Featured with 5 10/100/1000Mbps ports, TL-SG1005D greatly expands your network capacity, enabling instant large files transferring. So, power users in the home, office, workgroup, or creative production environment can now move large, bandwidth-intensive files faster. Transfer graphics, CGI, CAD, or multimedia files across the network instantly.

Go Green With Your Ethernet

You now have the choice to go green when upgrading to a gigabit network! This new generation TL-SG1005D 5-Port Gigabit Desktop Switch features the latest innovative energy-efficient technologies that can greatly expand your network capacity with much less power. It automatically adjusts power consumption according to the link status and cable length to limit the carbon footprint of your network.

Power down Idle Ports

When a computer or network equipment is off, the corresponding port of a traditional switch will continue to consume

considerable amounts of power. The TL-SG1005D can automatically detect the link status of each port and reduce the power consumption of ports that are idle.

Power Budget According to Cable Length
Ideally, shorter cable would use less power because of less power degradation over their length; this is not the case with most devices as they will use the same amount of power across the cable regardless of the length.

Easy to Use
The auto features of this gigabit switch make installation plug and play and hassle-free. No configuring is required. Auto MDI/MDIX eliminate the need for crossover cables. Auto-negotiation on each port senses the link speed of a network device (either 10, 100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal performance.

What's in the Box

- 1 x TP-Link TL-SG1005D 5-Port Gigabit Desktop Switch
- 1 x External Power Adapter
- 1 x Installation Guide

Specifications

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Specifications	
Product Code	TP TL-SG1005D
HARDWARE FEATURES	
Interface	5 10/100/1000Mbps RJ45 Ports
	AUTO Negotiation/AUTO MDI/MDIX
Fan Quantity	Fanless
Physical Security Lock	No
External Power Supply	External Power Adapter (Output: 5VDC / 0.6A)
Dimensions (W x D x H)	5.5x3.5x0.9 in. (140x88x23 mm)
Max. Power Consumption	3.67W (220V/50Hz)
Max Heat Dissipation	12.51 Btu/hr
SOFTWARE FEATURES	
Advanced Features	Green Technology
	802.3x Flow Control
	Back Pressure
	802.1p/DSCP QoS (for V7 and later version)
Transmission Method	Store and Forward
OTHERS	
Certification	FCC, CE

Package Content	5-Port Gigabit Desktop Switch TL-SG1005D
	Power Adapter
	Installation Guide
Environment	Operating Temperature: 0degreesC~40degreesC (32degreesF~104degreesF)
	Storage Temperature: -40degreesC~60degreesC (-40degreesF~140degreesF)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing

FAQ

What is the TP-Link TL-SG1005D used for?

The TP-Link TL-SG1005D is used to expand a wired Ethernet network by providing 5 Gigabit Ethernet ports. It allows multiple compatible devices, such as computers, printers and network storage equipment, to connect to the same network.

How many Ethernet ports does the TL-SG1005D have?

The TL-SG1005D has 5 RJ45 Gigabit Ethernet ports, each supporting 10Mbps, 100Mbps and 1000Mbps connections.

Does the TP-Link TL-SG1005D support Gigabit Ethernet?

Yes. All 5 Ethernet ports support speeds of up to 1000Mbps, provided the connected network equipment and cabling also support Gigabit Ethernet.

Is the TP-Link TL-SG1005D a managed or unmanaged switch?

The TL-SG1005D is an unmanaged Ethernet switch. It does not require a web interface, software installation or manual configuration for normal operation.

Does the TL-SG1005D require configuration?

No. The switch supports plug-and-play installation. Connect the power adapter and Ethernet cables to start expanding your wired network.

Can I connect the TL-SG1005D to my router?

Yes. You can connect one of its Gigabit Ethernet ports to an available LAN port on your router. The remaining ports can then be used to connect compatible wired network devices.

Can I connect a computer, printer and NAS to this switch?

Yes. The TL-SG1005D can connect compatible computers, network printers, NAS devices and other Ethernet-enabled equipment. Devices must have a suitable Ethernet network connection.

Does the TP-Link TL-SG1005D support automatic speed detection?

Yes. Auto Negotiation detects the supported Ethernet speed of connected devices and automatically selects the appropriate connection speed up to 1000Mbps.

Does this Gigabit switch require crossover Ethernet cables?

No. Auto MDI/MDIX automatically adjusts the Ethernet connection, eliminating the need for crossover cables.

Is the TP-Link TL-SG1005D energy efficient?

Yes. Its Green Ethernet technology adjusts power consumption according to network link status and cable length. It can also reduce power consumption on idle ports.

Does the TL-SG1005D have a cooling fan?

No. The TL-SG1005D uses a fanless design, allowing it to operate silently without fan noise.

Can the TL-SG1005D be wall mounted?

Yes. The switch supports desktop placement and wall mounting, providing flexible installation options for home and office network environments.

Can I use the TL-SG1005D for gaming and streaming?

Yes. It can provide wired Gigabit Ethernet connectivity for compatible gaming computers, consoles and streaming devices. Actual network performance depends on the connected equipment, internet connection and network configuration.

What is the size of the TP-Link TL-SG1005D?

The manufacturer lists dimensions of 140 x 88 x 23 mm, making it a compact network switch suitable for desktop placement and small workspaces.

What is included with the TP-Link TL-SG1005D?

The package includes the 5-Port Gigabit Desktop Switch, an external power adapter and an installation guide.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/TP-TL-SG1005D-TP-Link-TL-SG1005D-5-Port-Gigabit-Desktop-Switch-p-342171.php

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