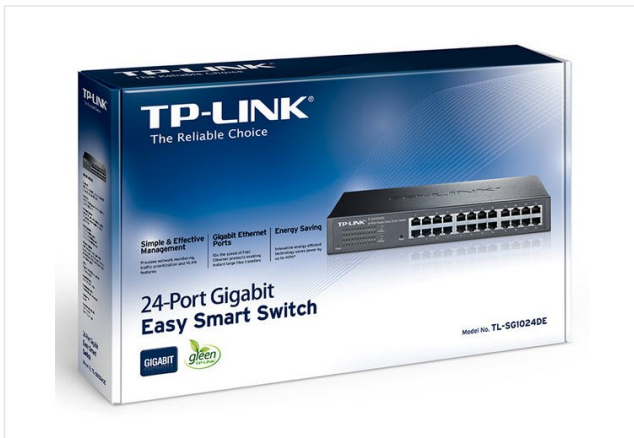


NET-TL-SG1024DE

TP-Link TL-SG1024DE 24-Port Gigabit Easy Smart Switch

Product Overview

TP-Link TL-SG1024DE 24-Port Gigabit Easy Smart Switch



Specifications

Overview:

The TL-SG1024DE 24-Port Gigabit Easy Smart switch is an ideal upgrade from an unmanaged switch, designed for Small and Medium Business networks that require simple network management. Network administrators can effectively monitor traffic via Port Mirroring, Loop Prevention and Cable Diagnostics features. To optimize traffic on your business network, TL-SG1024DE offers Port-based/802.1p/DSCP QoS1 to keep latency-sensitive traffic moving smoothly and jitter-free. Additionally, port-based, tag-based and MTU VLAN can improve security and meet more network segmentation requirements. Moreover, with its innovative energy-efficient technology, the TL-SG1024DE can save up to 18% of power consumption, making it an eco-friendly solution for your business network.

Features:

- 24 10/100/1000Mbps RJ45 ports
- Provides network monitoring, traffic prioritization and VLAN features
- Innovative energy-efficient technology reduces power output by up to 18%
- Simple network set-up on top of plug-and-play connectivity
- Web-based user interface and management utility simplify configuration
- IEEE 802.3x flow control provides reliable data transfers
- 9K Jumbo frame improves performance of large data transfers
- Effective network monitoring via Port Mirroring, Loop Prevention and Cable Diagnostics
- Port-based/802.1p/DSCP QoS enable smooth latency-sensitive traffic
- Abundant VLAN features improve network security via traffic segmentation
- IGMP Snooping optimizes multicast applications

Effective Management

TP-LINK's Gigabit Easy Smart switch, TL-SG1024DE offers network monitoring for users to observe traffic behavior. With Port Mirroring, Loop Prevention and Cable Diagnostics features, TL-SG1024DE can identify and even locate connection problems on your business network. Moreover, administrators can designate the priority of the traffic based on Port Priority and Port/

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Product Specification Sheet

802.1p/ DSCP Priority Priority, to ensure that voice and video are always clear, smooth and lag-free. Additionally, to improve security and network performance, TL-SG1024DE supports MTU VLAN, port-based VLAN and 802.1Q-based VLAN functions. TL-SG1024DE is an upgrade from the plug-and-play Unmanaged Switch, delivering great value while empowering your network and similarly delivering great value to the end user.

Go Green With Your Ethernet

You now have the choice to go green when upgrading to a gigabit network! This new generation of TL-SG1024DE 24-Port Gigabit Easy Smart Switch features the latest energy-efficient technologies that can greatly expand your network's 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-SG1024DE 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 cables would use less power with 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 whether it is 10 or 50 meters in length. The TL-SG1024DE analyzes the length of the Ethernet cable connected and adjusts the power usage accordingly, rather than keeping the power consumption in a conventional solution.

Ease to Use

TL-SG1024DE is easy to use and manage. Auto MDI/MDI-X crossover on all ports eliminates the need for crossover cables or uplink ports. 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. Its compact size makes it ideal for desktops with limited space while also being rack-mountable, convenient and safe. Dynamic LED lights provide real-time work status display and basic fault diagnosis.

Specifications:

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Specifications

Product Code	NET-TL-SG1024DE
HARDWARE FEATURES	
Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1q, IEEE 802.1p
Interface	24 10/100/1000Mbps RJ45 Ports
	AUTO Negotiation/AUTO MDI/MDIX
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m)
	EIA/TIA-568 100ohm STP (maximum 100m)
	100BASE-TX: UTP category 5, 5e cable (maximum 100m)
	EIA/TIA-568 100ohm STP (maximum 100m)
	1000BASE-T: UTP category 5, 5e, 6 or above cable (maximum 100m)
	EIA/TIA-568 100ohm STP (maximum 100m)

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Fan Quantity	Fanless
Power Supply	100-240VAC, 50/60Hz
Power Consumption	Maximum: 14.86W (220V/50Hz)
Dimensions (W x D x H)	11.6*7.1*1.7 in. (294*180*44 mm)
PERFORMANCE	
Switching Capacity	48Gbps
Packet Forwarding Rate	35.7Mpps
MAC Address Table	8K
Packet Buffer Memory	512KB
Jumbo Frame	9KB
SOFTWARE FEATURES	
Quality of Service	Support Port-based/802.1p/DSCP priority
	Support 4 priority queues
	Rate Limit
	Storm Control
L2 Features	IGMP Snooping V1/V2/V3
	Link Aggregation
	Port Mirroring
	Cable Diagnostics
	Loop Prevention
VLAN	Supports up to 128 VLANs simultaneously (out of 4K VLAN IDs)
	MTU/Port/Tag VLAN
Transmission Method	Store-And-Forward
OTHERS	
Certification	FCC, CE, RoHS
Package Contents	TL-SG1024DE, Power Cord, Installation Guide, Resource CD, Rackmount Kit, Rubber Feet
System Requirements	Microsoft Windows for running Utility
Environment	Operating Temperature: 0 degreesC~40 degreesC (32 degreesF~104 degreesF)
	Storage Temperature: -40 degreesC~70 degreesC (-40 degreesF~158 degreesF)
	Operating Humidity: 10%~90% non-condensing
	Storage Humidity: 5%~90% non-condensing

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/NET-TL-SG1024DE-TP-Link-TL-SG1024DE-24-Port-Gigabit-Buy-p-197960.php>

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