

Switch TP-LINK 24x10Base-T 100Base-TX 1000Base-T TL- SG1024DE



Model: TL-SG1024DE

Manufacturer: TP-LINK

EAN: 6935364021245

Product Code: 194196

R2,256

What This Product Does

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 both port and tag based QoS 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 40% of power consumption, making it an eco-friendly solution for your business network.

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Simple & 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 802.1P 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.

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Ease of 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.

- 24 10/100/1000Mbps RJ45 ports
- Provides network monitoring, traffic prioritization and VLAN features
- Green technology reduces power consumption
- Simple network set-up on top of plug-and-play connectivity
- Web-based user interface and management utility simplify configuration

Summary: TP-Link 24-Port Gigabit Easy Smart Switch. Switch type: Managed, Switch layer: L2. Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000), Basic switching RJ-45 Ethernet ports quantity: 24. MAC address table: 8000 entries, Switching capacity: 48 Gbit/s. Networking standards: IEEE 802.1Q, IEEE 802.1p, IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x. Rack mounting, Form factor: 1U | Vendor Homepage: <https://www.tp-link.com/uk/business-networking/easy-smart-switch/tl-sg1024de/> | Quality of Service (QoS) support: Yes | Switch layer: L2 | Switch type: Managed | Web-based management: Yes | Basic switching RJ-45 Ethernet ports quantity: 24 | Basic switching RJ-45 Ethernet ports type: Gigabit Ethernet (10/100/1000) | Gigabit Ethernet (copper) ports quantity: 24 | 10G support: No | Auto MDI/MDI-X: Yes | Auto-negotiation: Yes | Broadcast storm control: Yes | Cable types supported: Cat3/Cat5/Cat6 | Copper ethernet cabling technology: 1000BASE-T/100BASE-TX/10BASE-T | Flow control support: Yes | Link aggregation: Yes | Networking standards: IEEE 802.1p/IEEE 802.1Q/IEEE 802.3/IEEE 802.3ab/IEEE 802.3u/IEEE 802.3x | Number of VLANs: 32 | Port mirroring: Yes | Rate limiting: Yes | Virtual LAN features: Port-based VLAN/Tagged VLAN | VLAN support: Yes | Forwarding rate: 35.7 | Jumbo frames: 9216 | Jumbo frames support: Yes | MAC address table: 8000 | Number of queues: 4 | Packet buffer memory: 0.512 | Switching capacity: 48 | IGMP snooping: Yes | Loop protection: Yes | Form factor: 1U | LED indicators: Yes | Product colour: Black | Rack mounting: Yes | Compatible operating systems: Windows 98SE, NT, 2000, XP, Vista, Windows 7, Windows 8, MAC OS, NetWare, UNIX, Linux | AC input frequency: 50 - 60 | AC input voltage: 100 - 240 | Power consumption (max): 14.86 | Power source: AC | Power supply

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included: Yes | Heat dissipation: 114.37 | Operating relative humidity (H-H): 10 - 90 | Operating temperature (T-T): 0 - 40 | Storage relative humidity (H-H): 5 - 90 | Storage temperature (T-T): -40 - 70 | Depth: 180 | Height: 44 | Width: 294 | Cables included: AC | Rack mount kit: Yes | User guide: Yes | Package depth: 400 | Package height: 80 | Package type: Box | Package weight: 2020 | Package width: 250 | Certification: FCC, CE, RoHS | Harmonized System (HS) code: 85176990 | Units per Pallet: 0 | Units per Shipping Box: 8 | Unit Calculated Volume: 0.007938 | Unit Calculated Weight: 2.13

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