16-Port Gigabit Easy Smart Switch Datasheet

MODEL: TL-SG116E

Overview

TP-Link's Easy Smart Switch is an ideal upgrade from unmanaged switches, designed for small office and home office networks.

Managing the switch through the web browser or Utility, administrators can effectively monitor traffic via Port Mirroring, Loop Prevention and Cable Diagnostics features. To optimize traffic on your business network, TL-SG116E offers Port-based/802.1p/DSCP QoS to keep latency-sensitive traffic moving smoothly and jitter-free. To improve security and meet more network segmentation requirements, it supports port-based, tag-based and MTU VLAN. Additionally, with its innovative energy-efficient technology, it is an eco-friendly choice for your business network.

Easy to Use

Connecting devices to Easy Smart Switch is simple. Auto MDI/MDI-X crossover on all ports eliminates the need for crossover cables or uplink ports. Auto-negotiation on each port detects the link speed of network devices and intelligently adjusts settings for compatibility and optimal performance.

Durable Metal Casing

The interior components of Easy Smart Switches are protected by high-quality metal casing to ensure a long product life. Having passed an array of stringent reliability tests, Easy Smart Switches deliver switching performance you can depend on. Its compact size makes it ideal for deployment on desktops or work benches.

Abundant Software Features

Easy Smart Switches excel not only in simple plug-and-play networks, but also in more demanding environments.

- Network monitoring: Enables users to observe traffic behavior.
- Port Mirroring, Loop Prevention and Cable Diagnostics: Allow connection problems on your network to be identified and located.
- Port/802.1p/DSCP QoS: Designate the priority of the traffic, for example, to ensure that voice and video applications remain clear and lag-free.
- MTU VLAN, port-based VLAN and 802.1Q-based VLAN: Meet more network segmentation requirements and provide a more secure network

Go Green with Your Ethernet

TP-Link's latest generation of Easy Smart Switch makes use of innovative energy-saving technologies. Power consumption automatically adjusts according to the link status and cable length, allowing you to expand your network while minimizing your carbon footprint. Protect the planet and lower your energy bills — it's a win-win!

Specifications

Features & Performance

Product Pictures		
Model		TL-SG116E
General	Interfaces	16 10/100/1000 Mbps RJ45
	Mounting	Desktop/Wall mounting
Performance	Switching Capacity	32 Gbps
	Forwarding Rate	23.81 Mpps
	MAC Address Table	8 K
	Packet Buffer Memory	4.1 Mbit
	Jumbo Frame	10000 bytes
Physical &Environment	Power Supply	External Power Adapter(12 V/1 A)
	Max Power Consumption	9.19 W (220 V/50 Hz)
	Max Heat Dissipation	31.36 BTU/h
	Dimensions (W × D × H)	11.26 × 4.4 × 1.0 in. (286 × 111.7 × 25.4 mm)
	Fan Quantity	Fanless
	Operating Temperature	0 ℃~40 ℃ (32 ℉~104 ℉)
	Storage Temperature	-40 ℃~70 ℃ (-40 ℉~158 ℉)
	Operating Humidity	10% ~ 90%RH, non-condensing
	Storage Humidity	5%~90%RH, non-condensing
	Certification	CE,FCC

Software Features

L2 Features	• IGMP Snooping • Static Link Aggregation: Up to 8 groups, 4 ports per group • Port Mirroring • Loop Prevention
VLAN	• 32 VLANs (out of 4 K VLAN IDs) • MTU/Port/802.1Q VLAN
QoS	• 4 Priority Queues • 802.1p/DSCP QoS • Rate Limit • Storm Control
Management	• Web-based Graphic User Interface (GUI) • Easy Smart Configuration Utility

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