

Gigabit Easy Smart Switches

MODELS: TL-SG1016DE/TL-SG1024DE Datasheet



Overview

The TL-SG1016DE/TL-SG1024DE 16-Port/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. Through Web and Utility management network administrators can effectively monitor traffic via Port Mirroring, Loop Prevention and Cable Diagnostics features. To optimize traffic on your business network, TL-SG1016DE/TL-SG1024DE offers port based, tag based and DSCP 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 the innovative energy-efficient technology, the TL-SG1016DE/TL-SG1024DE can save up to 18% of power consumption, making it an eco-friendly solution for your business network.

Specifications

Hardware Features & Performance

Product Picture			
Model		TL-SG1016DE	TL-SG1024DE
Hardware Features			
General	Interfaces	16 10/100/1000Mbps RJ45	24 10/100/1000Mbps RJ45
Performance	Switching Capacity	32Gbps	48Gbps
	Forwarding Rate	23.8Mpps	35.7Mpps
	MAC Address Table	8K	
	Packet Buffer Memory	512KB	
	Jumbo Frame	9216Bytes	
Physical & Environment	Power Supply	100-240V, 50/60Hz	100-240V, 50/60Hz
	Max Power Consumption	19.15W (220V/50HZ)	33.52W (220V/50Hz)
	Max Heat Dissipation	65.34 BTU/h	114.37 BTU/h
	Dimensions(W*D*H)	11.6 * 7.1 * 1.7 in. (294* 180 * 44 mm), 13-inch Rack mount Steel Case, 1U Height	
	FAN Quantity	Fanless	
	Operating Temperature	0℃ ~40℃ (32 ℉ ~104 ℉)	
	Storage Temperature	-40℃ ~70℃ (-40 ℉ ~158 ℉)	
	Operating Humidity	10%~90% non-condensing	
	Storage Humidity	5%~90% non-condensing	
	Certification	CE, FCC	

Software Features

L2 Features	• IGMP Snooping - IGMP v1/v2/v3 Snooping - Supports 128 Groups • Link Aggregations - Supports static link aggregation - Up to 8 aggregation groups, containing 4 ports per group	• Port Mirroring - One-to-One - Many-to-One • Cable Test • Loop Prevention
VLAN	• Supports up to 128 VLANs (out of 4K VLAN IDs)	• MTU/Port/802.1Q tag VLAN
Qos	• Support Port-based/802.1p/DSCP priority • 4 priority queues	• Rate Limit • Storm Control
Management	• Web-based Graphic User Interface (GUI) • Easy Smart Configuration Utility - Central Management - Friendly user interface	
Ethernet Protocol	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX/FX • IEEE 802.3ab 1000BASE-T	• IEEE 802.3x Flow Control • IEEE 802.1q VLANs/VLAN tagging • IEEE 802.1p QoS