TP-Link 28-Port Gigabit Easy Smart Switch with 24-Port PoE+

Brand : TP-Link

Product code: TL-SG1428PE

Product name : 28-Port Gigabit Easy Smart Switch with 24-Port PoE+
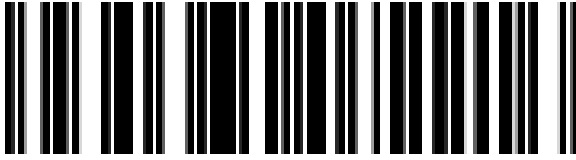
- 24 10/100/1000Mbps RJ45 PoE+ Ports Switch with 2 SFP Slots
- PoE power budget is up to 250 W, making it ideal for small to medium business surveillance systems
- Priority Mode helps to guarantee the quality of sensitive application like video monitoring
- PoE Auto Recovery enables system self-healing to guarantee the stable operation of PoE-connected devices
- QoS is for smooth internet-surfing experience and IGMP Snooping is capable of optimizing traffic for IPTV
- Intelligent power management can protect the switch from overload
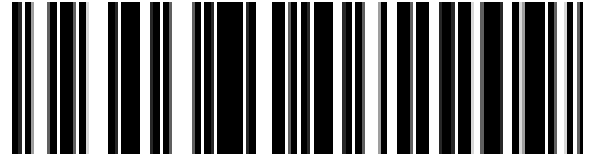26 x 10/100/1000 Mbps RJ45 Ports, 2 x Gigabit SFP Ports, 2 x PoE+, 440 × 220 × 44 mm

Management features

Switch type *	Managed
Switch layer	L2
Quality of Service (QoS) support	✔
Web-based management	✔

Ports & interfaces

Basic switching RJ-45 Ethernet ports quantity *	26
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)
Gigabit Ethernet (copper) ports quantity	26
SFP module slots quantity	2

Network

Networking standards *	IEEE 802.1Q, IEEE 802.1p, IEEE 802.3, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at, IEEE 802.3u, IEEE 802.3x
10G support *	✘
Copper ethernet cabling technology	10BASE-T, 100BASE-TX, 1000BASE-T
Cable types supported	Cat3, Cat4, Cat5, Cat5e, Cat6
Port mirroring	✔
Flow control support	✔
Link aggregation	✔
Broadcast storm control	✔
Rate limiting	✔
Auto MDI/MDI-X	✔
Auto-negotiation	✔

Multicast features

Multicast support	✔

Design

Rack mounting *	✔
Form factor	1U
Product colour	Black
Number of fans	2 fan(s)

Power

Power source *	AC
Power supply included *	✔
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Power consumption (max)	1039.03 W

Power over Ethernet (PoE)

Power over Ethernet (PoE) *	✔
Power over Ethernet plus (PoE+) ports quantity	24
Power over Ethernet (PoE) power per port	30 W
Total Power over Ethernet (PoE) budget	250 W

Operational conditions

Operating temperature (T-T)	0 - 50 °C
Storage temperature (T-T)	-40 - 70 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	5 - 90%

Weight & dimensions
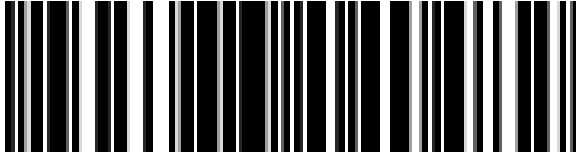
Width	440 mm

Network

VLAN support	✔
Virtual LAN features	Port-based VLAN, Tagged VLAN
Number of VLANs	32

Optical fiber

Fiber ethernet cabling technology	1000BASE-X

Data transmission

Switching capacity *	56 Gbit/s
Forwarding rate	41.7 Mpps
MAC address table *	8000 entries
Store-and-forward	✔
Number of queues	4
Jumbo frames support	✔
Jumbo frames	10000
Packet buffer memory	4.1 MB

Security

IGMP snooping	✔
Security algorithms	SNMP, SNMPv2, SNMPv3

Weight & dimensions

Depth	220 mm
Height	44 mm

Packaging content

Cables included	AC
User guide	✔
Rack mount kit	✔

Packaging data

Package width	336 mm
Package depth	528 mm
Package height	100 mm
Package weight	3.94 kg

Certificates

Certification	CE, FCC, RoHS

Logistics data

Harmonized System (HS) code	85176990

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