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# **SG1228P**

28-Port Gigabit Unmanaged POE Switch

## Products Description

SG1228P is a unmanaged PoE switch independently designed by TG. With a maximum PoE power output of 400W, and 30W for a single port, it can supply power when transmitting data with APs, IP cameras, and IP phones. The switch is an ideal choice for SMBs, hotels, schools, factories with video surveillance and wireless networking requirements.

## Main Features

* 24 \* 100/1000Mbps Base-T RJ45 ports for data transmission and power supply, 2 \* 100/1000Mbps Base-T RJ45 and 2\*1000 Mbps Base-X SFP slots.
* 8K MAC address table and MAC address auto-learning.
* IEEE 802.3x-compliant full-duplex flow control and half-duplex backpressure flow control.
* 56Gbps backplane bandwidth
* The entire switch offers a maximum PoE power output of 400 W, and 30 W for a single port, to supply power to and data transmission with 24 PoE-powered devices such as APs and IP cameras.
* The switch’s uplink gigabit port prevents bottleneck in the uplink transmission, and up to 24 IP cameras can be connected to the switch for data transmission without network lag.
* The power supply port supports dynamic detection and can be awakened when the terminal is abnormal or has no traffic.
* With VLAN on enabled by the mode toggle, ports 1 to 24 are isolated from each other,enabling the switch to isolate broadcast storm, improving LAN security and data transmission

## Product Specifications

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| **Product Information** |
| Product Model | **SG1228P** |
| **Hardware specifications** |
| Fixed Ports | 24\*10/100/1000 Base-T ports(POE)2\*10/100/1000 Base-T ports2\* 1000 Base-X SFP ports |
| Max Output Power(single port) | 30W |
| Total Power Consumption | 400W |
| PoE Pin-out | 1/2(+),3/6(-) |
| Switching capacity | 56Gbps  |
| Forwarding Rate | 42Mpps |
| Temperature | Operating temperature: (-10 - 50)°CStorage temperature: (-40 - 70)°C |
| Humidity | Operating humidity: (10% - 90%) RH, non-condensingStorage humidity: (5% - 90%) % RH, non-condensing |
| Dimensions(L\*W\*H) | 440(L)\*210(W)\*44(H)mm |
| Power | AC:100～240VAC,50～60Hz |
| Power consumption | 400W output the whole device |
| Weight | <3.5Kg |
| Lightning protection | 6KV |
| MAC address table | 8K |
| LED Indicator | Power,Link/Act |
| **Software specifications** |
| Standard | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab |
| Forwarding mode | Store-and-forward |
| Special feature | Watch dog(Ai Port detection) |
| VLAN isolation |

## Order Information

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| **Product Information** | **Detailed information** |
| **SG1228P** | 24\*10/100/1000 Base-T ports(POE),2\*10/100/1000 Base-T ports,2\* 1000 Base-X SFP ports,Total Power Consumption:400W |
| **Transceivers** |
| SFP-GE-SX-MM850 | 1000BASE-SX SFP Transceiver, Multi-Mode (850nm, 550m, LC) |
| SFP-GE-LX-SM1310 | 1000BASE-LX SFP Transceiver, Single Mode (1310nm, 20km, LC)  |
| SFP-GE-SC-1310 | SFP Gigabit optical module, TX1310/RX1550 (20km, SC)  |
| SFP-GE-SC-1550 | SFP Gigabit optical module, TX1550/RX1310 (20km, SC)  |

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| **Shenzhen TG-NET Botone Technology CO. Ltd.**3rd Floor,No.17,Langrong Road, Xinshi Community,Dalang Street,Longhua District,ShenzhenWebsite: http://www.tg-net.netE-mail: cherry.tan@tg-net.cn |