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# **SG1218TDP**

18-Port Gigabit Unmanaged POE Switch

## Products Description

SG1218TDP is a 18-port Ethernet switch developed by TG. It provides 2 Gigabit uplink port and 16 10/100 Mbps RJ45 ports. Equipped with large packet buffer, it also ensures smooth streaming even when eight 200W HD IP cameras are working simultaneously. You can enable port VLAN mode of the switch to protect your LAN network from broadcast storm and prevent loss of monitoring images. In addition, the switch offers 4KV lightning protection for its uplink port. In a word, SG1218TDP is a perfect choice for small and medium-sized IP surveillance projects and enter-prises to have network.

## Main Features

* Transmitting electrical power together with data through a single network cable, free of power lines.
* Compatible with both IEEE802.3at(30W) and IEEE802.3af(15.4W), can supply power to PDs under these two standards.
* Automatically detect and supply power to IEEE802.3at and IEEE 802.3af compliant powered devices(PDs).
* Advanced SAFC function, only supply power to IEEE 802.3af/at compliant PDs, no worry about damaging other private standard PoE devices or devices without PoE function.
* Support port power supply prioritization, guarantee the continuous power supply of key nodes.
* Up to 100m network cable transmitting distance, support flexible network expansion without power line deployment concerns. Users can freely fix their wireless APs, IP cameras or other end devices on the wall or ceiling.
* Built-in PSE power supply module, plug-and play design, easy to install.
* High security performance defending against power surge.
* Support short-circuit protection function, the switch will automatically start short-circuit function and cut off the power supply when there is high-current or other power failures, which can efficiently defend against device damage or network failures caused by line fault or wrong installation.

## Product Specifications

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| **Product Information** |
| Product Model | **SG1218TDP** |
| **Hardware specifications** |
| Fixed Ports | 16\*10/100/1000 Base-T ports(POE/POE+)2\*10/100/1000 Base-T ports |
| Max Output Power(single port) | 30W |
| Total Power Consumption | 250W |
| PoE Pin-out | 1/2(+),3/6(-) |
| Switching capacity | 12Gbps  |
| Forwarding Rate | 8.92Mppst |
| 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) | 270(L)\*181(W)\*44(H)mm |
| Power | AC:100～240VAC,50～60Hz |
| Power consumption | 250W output the whole device |
| Weight | <1.5Kg |
| Lightning protection | 4KV |
| MAC address table | 2K |
| LED Indicator | Power,Link/Act |
| **Software specifications** |
| Standard | IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at |
| Forwarding mode | Store-and-forward |
| Other functions | VLAN isolation |

## Order Information

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| **Product Information** | **Detailed information** |
| SG1218TDP | 16\*10/100/1000 Base-T ports(POE/POE+), 2\*10/100/1000 Base-T ports, IEEE 802.3af/at,Total Output Power:250W. |

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