



PoE Switch ➤ USER MANUAL

S600P-4F-2F



hasivo Electronic Co., Ltd

1 Introduction

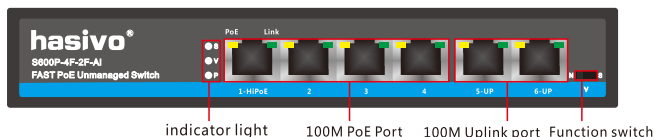
Built-in POE switches, which (1-4 ports) support POE output, international POE standards, can automatically detect and supply power to the electrical equipment that meets the IEEE 802.3af/at standard. With this device, POE network equipment such as wireless access point (AP) and IPC surveillance camera can be conveniently accessed.

Features

- The international standard for POE: IEEE 802.3af/at, full -port standard detection function, supported.
- Power supply to PoE devices (wireless access point (AP) and network monitoring camera) through 5/6 class Ethernet cable.
- Flow control: full duplex adopts IEEE 802.3x standard and half duplex adopts Back pressure standard.
- Automatic port rollover (Auto MDI/MDIX),supported.
- Port lightning protection (two-level lightning protection requirements),supported.
- Single port PoE power up to 30W(the first port at optional Ai version can output HiPoE_65W).
- The store-and-forward exchange mechanism is adopted.
- The line speed exchange by all ports and large frame transmission, supported.
- Zero configuration features, automatically power to the self-adaptive equipment.
- The panel indicator light monitors the working status and assists in fault analysis.
- Ai version with PoE Dog function, when the PoE starts, real-time detection of PoE-powered equipment's status;When there is an exception on the device side,the switch also resets the port actively and restores PoE power supply ,so as to realize the unattended.

2 Product display

S600P-4F-2F is full megabytes Ethernet Switch(4*10/100M PoE+2*100M Uplink) functional switch



Function mark

| Function mark | mode | Descriptions |
|---------------|--------------------|---|
| N | Standard sharing | All ports communicate freely, suitable for common data transmission environment |
| V | Port isolation | The downlink ports are isolated from each other and upload and download data through the uplink port.Inhibit broadcasting storms/virus attacks and other network failures |
| S | Ultra transmission | Limiting the downlink port's speed at 10M to realize 250m ultra-long transmission |

Indicator

| Indicator | | Status | Description |
|--------------------------------|--------------|------------|---|
| Power | | Always-on | normal |
| | | Always-off | Power-unconnected |
| V: Vlan | | On | Vlan mode |
| S: Ultra distance power supply | | On | Ultra power-supply mode |
| PoE | Orange | Always-on | Receiving equipment connected and power on |
| | | Always-off | Without receiving equipment connected and power off |
| | Green | Always-on | Signal connected from one corresponding port |
| | | Always-off | Signal disconnected from one corresponding port |
| Uplink | Orange/Green | Always-on | Signal connected from one corresponding port |
| | | Always-off | Signal disconnected from one corresponding port |

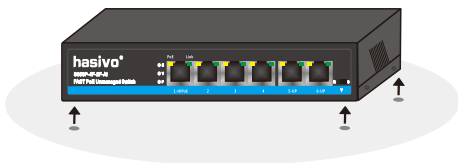
3 Installation and attentions

For the safe installation operation of switch,suggestion:

- ➔ Check up that the power wire is securely wrapped into the AC power connecto or not.
- ➔ Ensure the adequate heat dissipation and ventilation around the switch.
- ➔ Do not stack heavy objects on the switch.

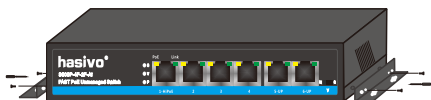
DESK

An installation of switch on the desktop, The rubber foot pads must be installed on the bottom of four corners of switch to ensure enough space between equipment and surrounding objects for ventilation.



Wall

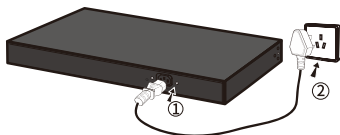
The switch can be mounted on the wall. Attach the bracket to the side board of the switch (one on each side) and tighten it with screws.



Then, mount the switch onto the wall rack by using screws supplied with the device.





Connect the power wire

1. Check up that the power supply is consistent with the marked requirements by the switch or not ;
2. The built-in power adapter is not needed, and it can be directly connected to AC 100~240V and 50~60Hz major power; See figure 1.1.2.



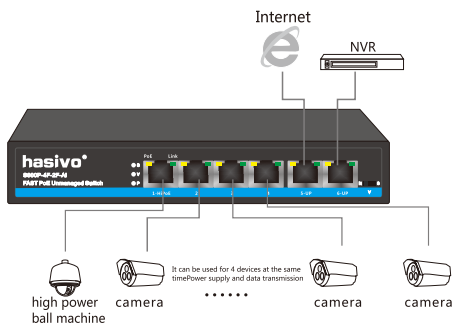
Power connection schematic diagram ,See 1.1.2

Product list

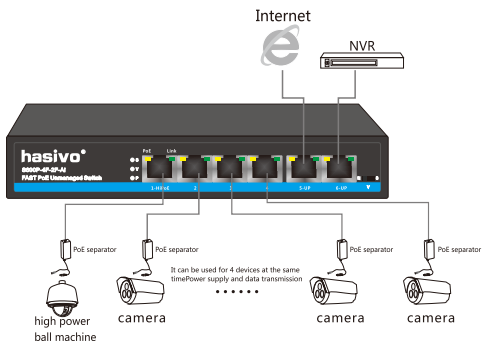
| | | | |
|--|---|--|---|
| ➤ One switch  | ➤ A wire  | ➤ one user manual and warranty card  | ➤ one wall-mounting rack(optional)  |
|--|---|--|---|

4 Product application

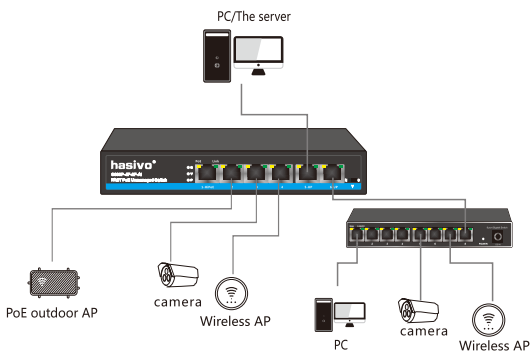
Programme 1



Programme 2



Programme 3



5 Parameters

| Type Parameters | S600P-4F-2F |
|---|---|
| Port | 4 -10/100Base-TX POE port (Data/Power) 2 -10/100Base-TX up-link RJ45 port (Data) |
| POE port | 1-4 ports support IEEE802.3af/at standard POE(Ai version,the first port supports HiPoE) |
| Function button/ switch | 1 (VLAN+S-Ultra transmission) Ai version, when the PoE is on, the automatic detection, automatic running POE dog, reset failure. |
| IP protocol | IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3x |
| Power standard | IEEE802.3af/at,(Ai version supports Hi PoE) |
| Port features | 1-6ports 10/100BaseT(X), the automatic detection,full/half duplex MDI/MDI-X self-adaptive |
| Forwarding mode | Storage and forwarding: full wire-speed |
| Bandwidth | 1.6Gbps (non-blocking) |
| Packet forwarding rate | 1.15Mpps Button/ Switch |
| MAC Table | 1K |
| Packet forwarding cache | 768K |
| UTP transmission | 10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(≤100 meter) |
| Power supply pins | Default 1/2(+), 3/6(-); Optional 4/5(+), 7/8(-) |
| single port at maximum /average power | 30W/15.4W (Ai vision-60W at Maximum) |
| Full Power/input voltage | 65W (AC100-240V) |
| Overall power consumption | stand-by power consumption : < 3W ; Full-loading consumption : < 70W |
| LED indicator | Up-link port: network indicator: green+ yellow POE port: POE indicator: Orange , Network indicator: green |
| power supply | Built-in switch power 100~240V 50-60Hz 1A |
| Operating temperature /humidity | -20 ~ +55°C;5% ~ 90% RH non-condensing |
| Storage temperature /humidity | -40 ~ +75°C;5% ~ 95% RH non-condensing |
| volume (L*W*H) | 190mm*130mm*35mm 305mm*205mm*55mm |
| Net weight/Gross weight | 0.6kg/0.9kg |
| mounting | Desk /wall-mounted(optional) |
| Lightning protection /protection level | Thunder prevention of port:3KV 8/20us; level:IP30 |
| Safety certificate | 3C; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS |
| Warranty | The complete switch(1 year) , except parts |

Matters needing attention

To avoid equipment damage and personal injury caused by improper use, please follow the following precautions:

- During installation, keep the power off, wear anti-static wrist, and ensure that the anti-static wrist is in good contact with the skin to avoid potential damage. Potential safety hazards in;
- The switch can work normally only under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch;
- Before the switch is powered on, please make sure that the power circuit will not be overloaded, so as not to affect the normal operation of the switch or even cause unnecessary damage;
- In order to avoid the risk of electric shock, do not open the shell when the switch is working, and do not open it by yourself even when it is not charged;
- Before cleaning the switch, pull out the power plug of the switch. Do not wipe it with wet fabric or clean it with liquid;
- The equipment installed in the rack is generally from bottom to top to avoid overload installation;
- Avoid placing other heavy objects on the surface of the switch to avoid accidents.

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