hasivo®

Unmanaged PoE Switch
⊘ User Manual

S1100P-8F-2F

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1 *Overview*

Automatically detecing and supplying power for powered equipments complied with IEEE802.3af/at PoE++/HiPoE/BT, hasivo unmanaged PoE switch supports first port output HiPoE-60W.It can provides convenient service for PoE network equipments such as AP and IPC.

Features

◆ PoE Standard:IEEE802.3af/at PoE++/HiPoE/BT,support all ports standard detection.
◆ Supports power supply for PoE equipments such asAP and network monitoring cameras connected by Cat5/6 ethernet cables.
◆ Flow control method:full duplex adapts IEEE 802.3x ,half duplex adapts Back pressure.
◆ Port supports Auto MDI/MDIX.
◆ Support port lightning protection(secondary level requirements).
◆ Single port supports PoE power:30W(first port outputs HiPoE_60W).
◆ Exchanging Mechanism: Store and forward.
◆ All ports support exchanging at wirespeed;Support jumbo frame transmission.
◆ Zero-configuration:automatically supply for adaptive device.
◆ Panel control indicator monitors operating status and help fault analysis.

2 *Product Dispaly*

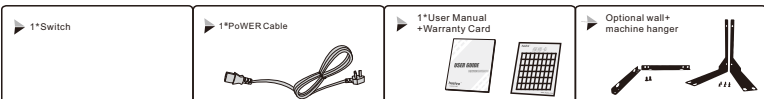S1100P-8F-2F，8*10/100M PoE port+2*100M Uplink

100M PoE port   100M Uplink   Function Switch
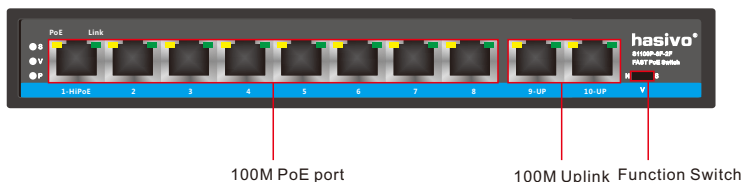
Function

Mark	Mode	Description
N	Standard Normal	all ports communicate freely,adapting common data transmission environment
V	Port Isolation	Switch to VLAN mode;downlink isolating from each other,uploads and downloads data through uplink;suppress network failure like broadcast storm and virus attack
S	Super Mode	Downlink speed limitation:10M(Super transmission:250 meters)

Indicator

Indicator		Status	Description
Power LED:P		Always ON	Normal
		Always OFF	Power Unconnected
		Flash	Port circuit or cunrrent over-loaded
Port Isolation LED : V		Always ON	Port Isolation mode ON
Super Mode LED : S		Always ON	Super mode ON
PoE LED	Orange	Always ON	Powered equipments connected and power supply narmally
		Always OFF	No powered equipments connected or no power supply
	Green	Always ON	Corresponding port network signal communicates
		Always OFF	Corresponding port network signal not communicates

Accessories List   Optional wall+machine hanger

▷ 1*Switch   ▷ 1*PoWER Cable   ▷ 1*User Manual +Warranty Card   ▷ Optional wall+ machine hanger

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.

Installation to rackmount

1.Check the grounding and stability of the rack
2.Install the two L-brackets in the accessory on each sideof the switch panel and secure with the screws provided in the accessory，see Fig.1.1.1.
3.Install the switch in the appropriate position in the rack, supported by the bracket
4.Secure the L-bracket to the fixed guide groove at both ends of the rack with screwto ensure that the switch is installed on the rack stably and horizontally,see Fig1.1.2.

Crew

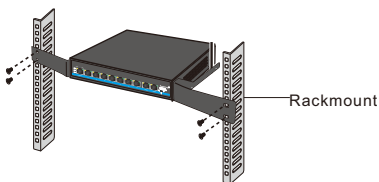Fig.1.1. Switch Installation diagram

Rackmount

Fig.1.2. Switch Installation diagram

Specification of power socket

The switch adopts single-phase three-wire power socket,the middle one is the G wire，the left one is the N wire，and the right one is the L wire．Please check before operation．see Fig1.2.1
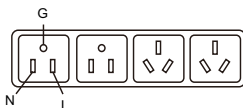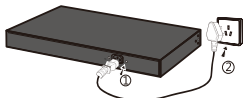

G

N   L

Figure1.2.1 three-wire socket(Single-phase)

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 AC100~240V and 50~60Hz major power;see Fig.1.2.2.
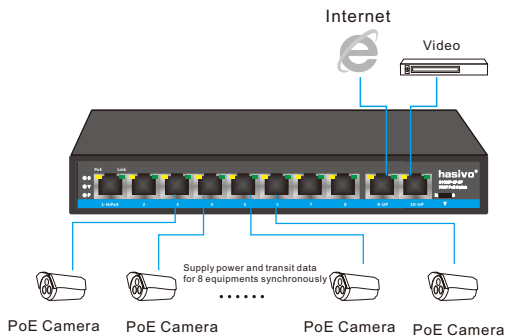

Power connection schematic diagram ,See 1.2.2

The inspection after installation

Please check up the following items after installation:
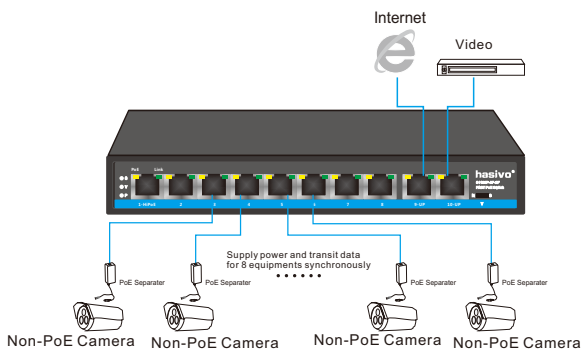1．Enough cooling space around the switch and smooth air circulation
2．The power supply from the power socket conforms to the switch′requirements;
3．The power supply，switch，rack and other equipments are properly grounded;

Option 1

Internet

Video

Supply power and transit data
for 8 equipments synchronously

PoE Camera   PoE Camera   PoE Camera   PoE Camera

Option 2

Internet

Video

Supply power and transit data
for 8 equipments synchronously

PoE Separater   PoE Separater   PoE Separater   PoE Separater

Non-PoE Camera   Non-PoE Camera   Non-PoE Camera   Non-PoE Camera

Option 3

PoE Camera   PoE Camera

PoE AP   PoE AP

PoE Camera

PC   PoE AP

Model	S1100P-8F-2F
Product	8 port Fast Ethernet PoE Switch
Port	8*10/100Base-TX PoE port (Data/Power) 2*10/100Base-TX UplinkRJ45 port (Data) 1-8 port supports PoE
Function	N:(Standard Normal)+V:(Port Isolation)+ S(Super Mode) (specific port refers to user manual)
Network Protocol	IEEE802.3 10BASE-T IEEE802.3i 10BASE-T IEEE802.3u100BASE-TX IEEE802.3x IEEE802.3af/at//PoE++ Hasivo HiPoE IEEE802.3af/at, (AI version:first port supports Hipoe)
Port Specification	10/100BaseT (X) Auto
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	2Gbps
Packet Forwarding	1.44Mpps
MAC Address	1K
Buffer	768K
Transmission Distance	10BASE-T : Cat3,4,5 UTP(≤250 meter) 100BASE-TX : Cat5 or later UTP(150 meter)
Power Pin	Default1/2(+) , 3/6(-) ; Optional 4/5(+) , 7/8(-)
Single port power	Average15.4W;MAX 30W(Ai version:MAX 60W)
Total Power/Input Voltage	MAX 120W (AC100-240V50/60HZ)
Watt	Standby Power Consumption : ≤3W ;
LED Indicator	P:Power LED(Over-power LED) Uplnik:(Green=10/100M LED+Orange=1000M LED) Port:(Green=Link LED+Orange=PoE LED V:(Port Isolation LED) S:(Super ModLED)
Power	Built-in powerAC : 100~240V 50-60Hz 1A
Operating Temperature/Humidity	-10~+55°C ; 5%~90% RH Non coagulation
Storage Temperature/Humidity	-40~+75°C ; 5%~95% RH Non coagulation
Product size /Packing size (L*W*H)	210mm*150mm*35mm 270*mm220mm*68mm
N.W/G.W (kg)	0.8kg/1.2kg
Installation	Desktop(optional wall+machine hanger parts)
Lightning protection level	3KV 8/20us ; Ip30
Certificate	CE mark, commercial ; CE/LVD EN60950 ; FCC Part 15 Class B ; RoHS ;
Warranty	Whole device for 1 year (Accessories not included)

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

■Keep the status of power-off during installation, and wear anti-static wrist to ensure good contact between anti-static wrist and skin to avoid the hidden danger.

■The switch can only work normally under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch.

■Before switch on, please make sure that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even unnecessary damage.

■In order to avoid the danger of electric shock, do not open the shell up when the switch works, even in the case of no live current, do not open.

■Before cleaning the switch, pull out the power plug. Do not wipe it by using wet fabrics or liquid.

■Install device in the rack-mount regularly from top to bottom, incase of over-load installation.

■Don't place other heavy objects on the surface of the switch to avoid accidents.