16-Port 10/100Mbps+2 Gigabit uplink PoE Switch UTEPC

802.3af/at, 6kv Lightning, Three modes, Max 135W PoE power

Datasheet: VER2.0



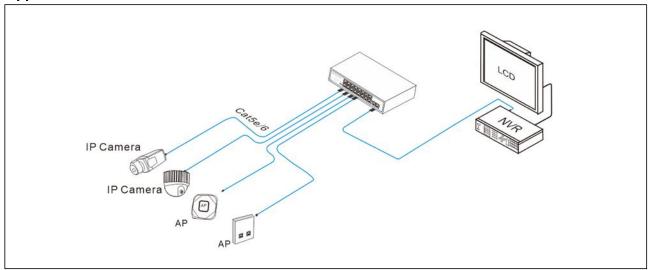
- 16*10/100Base-TX Ethernet Ports (PoE) + 2*Gigabit Uplink Ethernet Port.
- IEEE802.3af/at. Max PoE power of single port is 30W. Total PoE power budget is up to 135W.
- Support 3 working modes. (Default, VLAN, CCTV).
- Support 6KV surge immunity, 8KV ESD immunity and anti-interference function.

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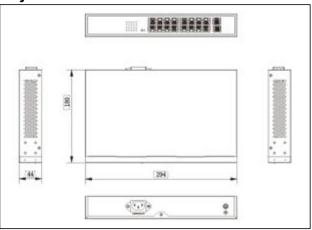
Introduction

The security exclusive 16 ports PoE Ethernet switch, providing 16*downlink PoE ports (IEEE802.3af/at) and 2*1000Mbps Uplink ports, fulfills the demand for HD IP surveillance. Equipped with the excellent performance of ESD, 6KV lighting protection and surge protection circuits, the PoE switch could operate stably in the harsh environment. With unique one-key smart function, users can enable the VLAN easily and keep the network storm, virus & cyber attack away from their system.

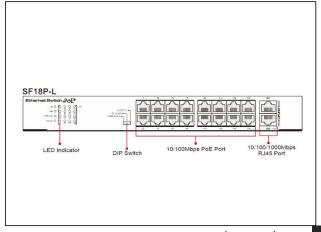
Application



Physical Features



Interface drawing





Specification —

Downstream Ports 16* 10/100Base-T (PoE) Uplink Ports 2x 10/100/1000Base-T Ethernet Ports Network Standard IEEE802.3 , IEEE802.3 u, IEEE802.3 u, IEEE802.3 x Switch Capacity 7.2Gbps Throughput 5.36Mpps Switch Processing Scheme Store and Forward Memory Buffer 4M MAC Table 8K POE Standard 802.3af/at(PSE) PSE Type End-span Power Pin Assignment 1/2(+), 3/6(-) PoE Power Output 54V DC , 30 watts max PoE Budge 135 watts max Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port	Model	SF18P-LM
Network Standard IEEE802.3 , IEEE802.3 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.0 u, IEEE802.2 u, IEEE802.3 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.3 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.3 u, IEEE802.2 u, IEEE802.3 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IEEE802.2 u, IE	Downstream Ports	16* 10/100Base-T (PoE)
Switch Capacity 7.2Gbps Throughput 5.36Mpps Switch Processing Scheme Store and Forward Memory Buffer 4M MAC Table 8K PoE Standard 802.3af/at(PSE) PSE Type End-span Power Pin Assignment 1/2(+), 3/6(-) PoE Power Output 54V DC , 30 watts max PoE Budge 135 watts max One-key Smart Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. ESD 6KV Execute: IEC61000-4-5 BESD 8KV Air discharge Execute: IEC61000-4-5 BESD AC 100V~240V </td <td>Uplink Ports</td> <td>2x 10/100/1000Base-T Ethernet Ports</td>	Uplink Ports	2x 10/100/1000Base-T Ethernet Ports
Switch Processing Scheme Store and Forward Memory Buffer MAC Table MEC Table POE Standard Power Pin Assignment POE Power Output Done-key Smart Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog. All nong transmission distance of 2: meters. Lightning protection GKV Execute: IEC61000-4-5 GKV Contact discharge Execute: IEC61000-4-2 Power Supply AC 100V-240V Power Dissipation V1 Swith Port C1-07C~50°C Storage Temperature Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight	Network Standard	IEEE802.3 、IEEE802.3u、IEEE802.3ab、IEEE802.3x
Switch Processing Scheme Store and Forward Memory Buffer 4M MAC Table 8K PoE Standard 802.3af/at(PSE) PSE Type End-span Power Pin Assignment 1/2(+), 3/6(-) POE Power Output 54V DC , 30 watts max POE Budge 135 watts max Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support POE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support POE Watchdog, 10M, with long transmission distance of 2: meters. Lightning protection 6KV Execute : IEC61000-4-5 ESD 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE)	Switch Capacity	7.2Gbps
Memory Buffer MAC Table BK PoE Standard B02.3af/at(PSE) PSE Type End-span Power Pin Assignment 1/2(+), 3/6(-) PoE Power Output 54V DC, 30 watts max PoE Budge 135 watts max Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog,10M, with long transmission distance of 2: meters. Lightning protection 6KV Execute: IEC61000-4-5 ESD 6KV Contact discharge 8KV Air d	Throughput	5.36Mpps
MAC Table PoE Standard 802.3af/at(PSE) PsE Type End-span Power Pin Assignment PoE Power Output 54V DC , 30 watts max PoE Budge Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog 10M, with long transmission distance of 2 meters. Lightning protection 6KV Execute : IEC61000-4-5 6KV Contact discharge 8KV Air discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation VIAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CTV: Port 1-16 support PoE Watchdog 10M, with long transmission distance of 2 meters. Lightning protection 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) 5%-95% Dimension (L*W*H) 294mm*180mm*44mm Weight	Switch Processing Scheme	Store and Forward
PoE Standard PoE Type End-span Power Pin Assignment PoE Power Output Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. Lightning protection ESD BY CONTRACT Of Contact discharge 8KV Air discharge EXECUTE: EC61000-4-2 Power Supply AC 100V~240V Power Dissipation VIAN: Port 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD CTV: Port 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support POE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support POE Watchdog.10M, with long transmission distance of 2: meters. ESD ACTIVE PORT 1-16 support POE Watchdog.10M,	Memory Buffer	4M
PSE Type Power Pin Assignment PoE Power Output PoE Budge Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog.10M, with long transmission distance of 2: meters. Lightning protection 6KV Execute: IEC61000-4-5 ESD 6KV Contact discharge 8KV Air	MAC Table	8K
Power Pin Assignment PoE Power Output 54V DC , 30 watts max PoE Budge 135 watts max Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog,10M, with long transmission distance of 2: meters. Lightning protection 6KV Execute : IEC61000-4-5 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight	PoE Standard	802.3af/at(PSE)
PoE Power Output PoE Budge 135 watts max Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog,10M, with long transmission distance of 2: meters. Lightning protection 6KV Execute: IEC61000-4-5 ESD 6KV Contact discharge 8KV Air discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -40°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight	PsE Type	End-span
PoE Budge Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog,10M, with long transmission distance of 2: meters. Lightning protection 6KV Execute: IEC61000-4-5 ESD 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight	Power Pin Assignment	1/2(+), 3/6(-)
Default: Support Vlan passthrough. All port can be communicated freely. VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog,10M, with long transmission distance of 2! meters. Lightning protection 6KV Execute : IEC61000-4-5 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation AC 100V~240V Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight 2Kg	PoE Power Output	54V DC , 30 watts max
One-key Smart VLAN: Port 1-16 support PoE Watchdog and isolated respectively, but can communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog,10M, with long transmission distance of 25 meters. Lightning protection 6KV Execute: IEC61000-4-5 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight	PoE Budge	135 watts max
Communicate with Port G1-G2. CCTV: Port 1-16 support PoE Watchdog,10M, with long transmission distance of 2: meters. Lightning protection 6KV Execute : IEC61000-4-5 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight	One-key Smart	Default: Support Vlan passthrough. All port can be communicated freely.
Lightning protection 6KV Execute: IEC61000-4-5 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight		communicate with Port G1-G2.
ESD 6KV Contact discharge 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) 5%-95% Dimension (L*W*H) 294mm*180mm*44mm Weight		
ESD 8KV Air discharge Execute: IEC61000-4-2 Power Supply AC 100V~240V Power Dissipation <150W (Include PoE) Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) Dimension (L*W*H) 294mm*180mm*44mm Weight	Lightning protection	
Power Dissipation <150W (Include PoE) Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) 5%-95% Dimension (L*W*H) 294mm*180mm*44mm Weight 2Kg	ESD	8KV Air discharge
Work Temperature -10°C~50°C Storage Temperature -40°C~85°C Humidity (Non-condensing) 5%-95% Dimension (L*W*H) 294mm*180mm*44mm Weight 2Kg	Power Supply	AC 100V~240V
Storage Temperature-40°C~85°CHumidity (Non-condensing)5%-95%Dimension (L*W*H)294mm*180mm*44mmWeight2Kg	Power Dissipation	< 150W (Include PoE)
Humidity (Non-condensing) 5%-95% Dimension (L*W*H) 294mm*180mm*44mm Weight 2Kg	Work Temperature	-10℃~50℃
Dimension (L*W*H) 294mm*180mm*44mm Weight 2Kg	Storage Temperature	-40℃~85℃
Weight 2Kg	Humidity (Non-condensing)	5%-95%
	Dimension (L*W*H)	294mm*180mm*44mm
Regulator CE, FCC, ROHS	Weight	2Kg
<u> </u>	Regulator	CE, FCC, ROHS

Package List———

Designation	Quantity
SF18P-LM	1
AC Power Cable	1
User Manual	1

Related Products —————

Designation	Model
8-Port 10/100Mbps+2 Gigabit uplink PoE Switch	SF10P-HM
24-Port 10/100Mbps+2 Gigabit uplink PoE Switch	SF26P-LM