FULLRIVER
Link our dreams

16-Port 10/100Mbps + 1G Combo Visible Multi-Mode PoE Unmanaged Ethernet Switch

FR-S1018PEF-D

Characteristics

■ Intelligent identification

■ Support multiple mode switching, suitable for various occasions

■ Support IEEE802.3at/af PoE standard, 16 100M ports have PoE power supply function, a single port power consumption maximum support 30W, PoE maximum output total power up to 240W

■ LCD display PoE power supply condition real-time
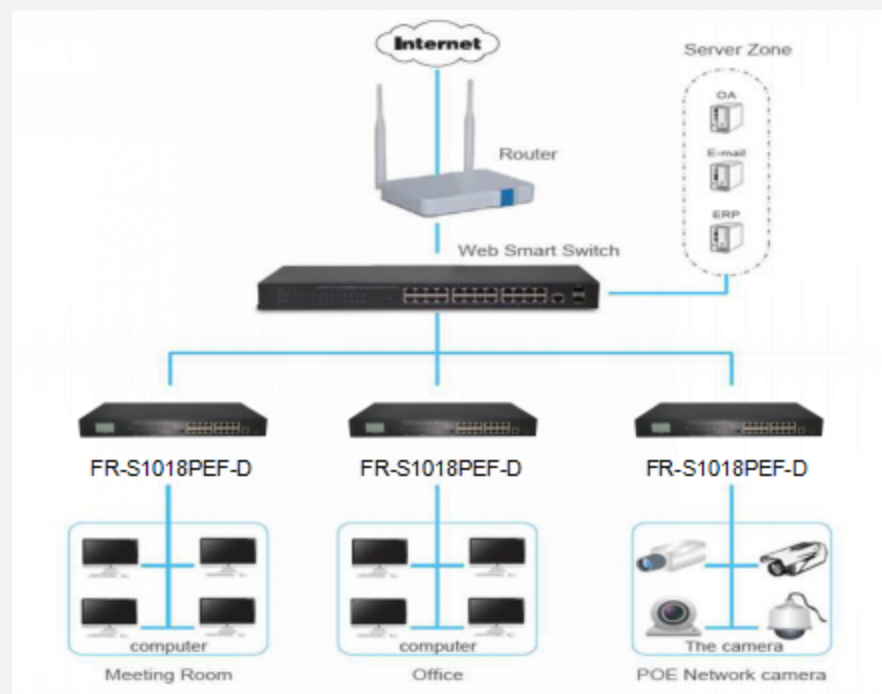
■ Switching Capacity up to 5.2G

▌Description

FR-S1018PEF-D 16port 10/100Mbps + 1 Combo PoE Ethernet Switch provides the seamless network connection.Based on Gigabit Ethernet Technology, It is essential to helping solve network bottlenecks that frequently develop as more advanced computer users and newer applications continue to demand greater network resources.

These PoE ports can automatically detect and supply power with those IEEE 802.3at compliant Powered Devices (PD). In this situation the electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no power lines or outlets, where you wish to fix devices such as AP, IP Cameras or IP Phones, etc.Support manual switch to default mode, port isolation mode, monitoring mode and network extension mode.Especially,the integrated LCD can real-time display state of PoE power supply, including PoE power budget (PB), total output power (total) ,output power of each port, over-current protection (OCP), short circuit protection (SCP), PD light load(ULP) information ,and also can show the warning information, such as high temperature, over voltage, low voltage, at the same time all ports to stop power supply for PD, power distribution and fault in the clear.

The product is highly integrated design, simple operation, a variety of models optional, suitable for a variety of applications, especially for security monitoring occasions.

▌ Application

▌ HUNAN FULLRIVER HIGH TECHNOLOGY CO.，LTD

16-Port 10/100Mbps + 1G Combo Visible Multi-Mode PoE Unmanaged Ethernet Switch   FR-S1018PEF-D

Features

- Comply with IEEE 802.3i, IEEE802.3z , IEEE 802.3u, IEEE802.3x, IEEE802.3ab standards
- Supports IEEE802.3af、IEEE802.3at standards
- Supporting Normal mode, VLAN mode, Monitor mode and Extend mode, free to choose to switch
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- All RJ45 ports support auto Auto MDI / MDIX
- Port 1-16 support PoE power up to 30W and PoE output total power up to 240W
- 4K entry MAC address table with auto-learning and auto-aging
- LED indicators for monitoring power, link and activity
- LCD for monitoring PoE status real-time

Specification

Model		FR-S1018PEF-D
Chipset		IP1818+2*IP108+IP1001+2*IP808+STM32F030CCT6TR
Standards		IEEE 802.3i, IEEE 802.3u, IEEE802.3ab, IEEE802.3z,IEEE802.3x, IEEE802.3af、IEEE802.3at
Interface		16 x 10/100Mbps Auto-Negotiation ports, 1 x gigabit Combo (RJ45 / SFP) port
Network Media		10BASE-T: UTP category 3,4 cable (maximum 100m) 100BASE-TX: UTP category 5,5e cable (maximum 100m) 1000Base-T: UTP category 5、5e,6 cable (maximum 100m) 1000Base-X:MMF,SMF
Transfer Method		Store-and-Forward
MAC Address Table		4K
Switching Capacity		5.2Gbps
Packet Forwarding Rate		3.87Mpps
Packet Buffer		2.75Mbit
Jumbo Frame		1536Byte
PoE Ports(RJ45)		16* PoE ports compliant with 802.3at/af
Power Pin Assignment		4/5(+),7/8(-)
PoE Budget		240W
Mode	Normal mode	switch all ports can communicate with each other
	VLAN mode	Port 1~16 can not communicate with each other, but can communicate with the uplink Combo port (17T / S)
	Monitor mode	Port1 ~ 8 ports support port priority, optimize port cache, switch all ports can communicate with each other
	Extend mode	Port1 ~ 8 port rate down to 10Mbps, the farthest transmission distance of up to 250 meters, all ports can communicate with each other
Indicators	Per Device	Power: Green
	Per Port	Link/Act: Green PoE:Yellow
LCD display		128*64 Dot matrix LCD
Power consumption		Maximum(PoE on): 270W (220V/50Hz)
Power Supply		AC 100V~240V 50/60HZ 260W Internal Power
Dimensions (W × D × H)		441*208*44 mm (19" metal case)
Environment		Operating Temperature: 0℃ - 45℃ Storage Temperature: -40℃ - 70℃ Operating Humidity: 10%~90% No condensation Storage humidity: 5%~90% No condensation