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DF-1F2G-8GP

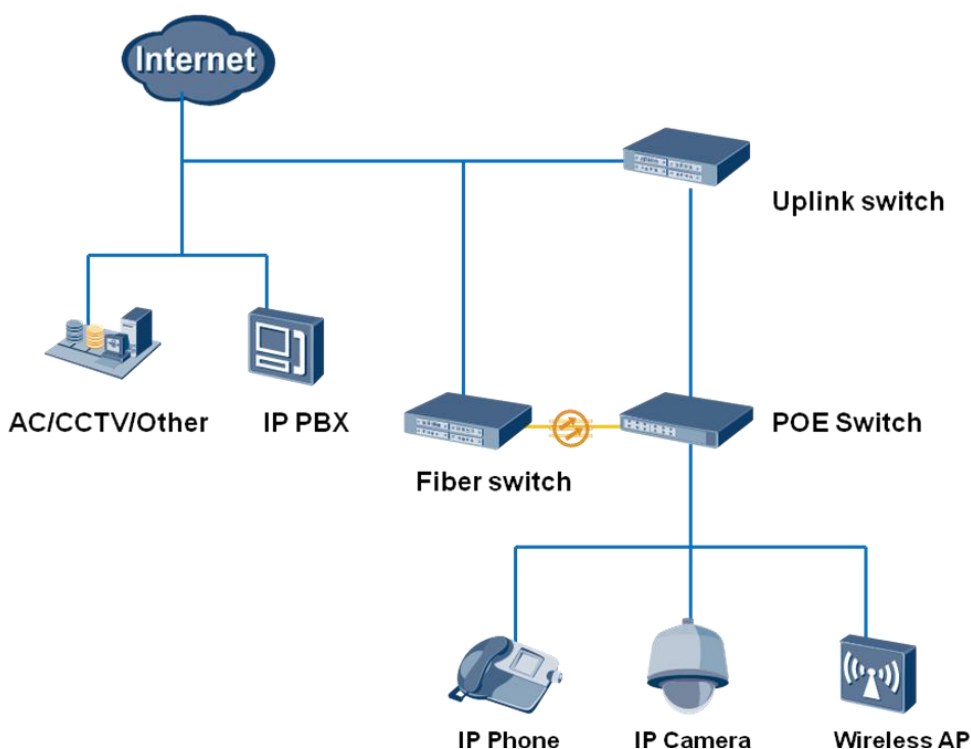


Overviews

To fulfill the demand of High Power PoE for network applications with Gigabit transmission, DF-1F2G-8GP PoE Gigabit Ethernet Switch is an ideal solution. Each 10/100/1000Mbps port of the DF-1F2G-8GP features IEEE 802.3af and IEEE 802.3at Power over Ethernet (PoE) that combine up to 96/120-watt PoE budget on the whole system. It is designed specifically to satisfy the growing demand of higher power consuming network PD (powered devices) such as PTZ (Pan, Tilt & Zoom) / speed dome network cameras, multi-channel (802.11a/b/g/n) wireless LAN access points and other network devices by doubling PoE power, more than the current conventional 802.3af PoE.

All RJ45 copper interfaces of the DF-1F2G-8GP support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. It also supports standard auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables. 2 extra 10/100/100Mbps RJ45 and 1 extra 1.25Gbps SFP slots can be used for uplink.

Typical applications please refer to following picture





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Features

- Complies with IEEE 802.3, 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T
- 8-Port 10/100/1000Mbps supports 48-57V DC power to PoE Powered Device
- 2-Port 10/100/1000Mbps RJ45 interface for uplink
- 1-Port 1.25Gbps SFP fiber interface for uplink
- Complies with IEEE 802.3af/802.3at Power over Ethernet End-Span PSE
- Up to 8 IEEE 802.3af devices powered
- Supports PoE Power up to 15.4 watts for each PoE port
- Up to 4 IEEE 802.3at devices powered
- Supports PoE Power up to 30 watts for each PoE port
- 96/120-watt PoE budget
- Auto detects powered device (PD)
- Circuit protection prevents power interference between ports
- Remote power feeding up to 100m
- Hardware based 10/100/1000Mbps auto-negotiation and auto MDI/MDI-X
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation
- Integrates address look-up engine, supporting 8K absolute MAC addresses
- 2M packet buffer
- 10K Jumbo frame supports at 1000Mbps duplex mode
- IEEE 802.1Q VLAN packet transparency support
- Automatic address learning and address aging
- Made of metal, desktop size and wall-mount design

Technical Specifications

Item		Description
Model		DF-1F2G-8GP
Power Supply	Power Supply Mode	Mains on load
	Voltage Range	AC 100~240V
	Power Consumption	The device <5W, POE power supply <96/120W
Network Port	Network Ports	1~8 Ports: 10/100/1000Mbps Ethernet port, adaptive control



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Parameter		Uplink Port :1.25Gbps SFP and 2 10/100/100Mbps RJ45
	Transmission Distance	1~8 Ethernet Port: 0~100m Mandatory 10 Mbps reach up to 250m 2 uplink Ethernet Port: 0~100m 1 uplink fiber: 0-120km optional
	Transmission Media	1~10 Ethernet Port: Cat5e/6 standard UTP cable, Uplink Fiber Port: LC interface optical fiber
	POE Agreement	IEEE802.3 af/at standards
	PoE Power Supply Mode	End-span method
	PoE Power Supply Wattage	Each port≤30W, Whole device<96/120W
Network Switch Specification	Network Standard	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3ab 1000BASE-T
	Swap Mode	Store-and- forward
	Switch Capacity	20Gbps
	MAC Address List	8K
Status Indicators	Power Indicator Light	One power light (green)
	Optical Fiber Port Indicator	One fiber link indication light (green), Green light keeps on when the fiber port is well connected; Blinking when transceiver data
	PoE Indicator	1~8 PoE indicator light (yellow)
	PoE Network Port LED	1~8 port (green light on RJ45 jack) Keeps on when normally connected, Blinking when transceiver data
Switch	Default	standard
	CCTV	Port 1 to 8 only can communicate with uplink port, power and data can reach 250 meters;
Protection Level	Surge Immunity	Level 3, executive standard: IEC61000-4-5
	Electrostatic Protection	1a touch electric discharge: level 3 1a Air discharge: level 3 Executive standard: IEC61000-4-2
Operating Environment	Working Temperature	-10℃~55℃
	Storage Temperature	-40℃-85℃
	Humidity(non-congeal)	0~95%
Mechanical Attributes	Dimensions (L*W*H)	210mmx98.5mmx29.5mm
	Color	Black
	Weight	1kg
Reliability	Mean time between failures (MTBF)	>50000h