

# F1218P

16-Port 10/100Mbps Managed PoE Switch  
with 2-Port Gigabit/SFP Combo

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### Products Description

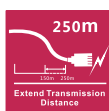
F1218P is 16-port smart PoE switch with 2 GE ports, providing 16 10/100 Base-TX Ethernet ports, 2 10/100/1000 Base-T Ethernet ports and 2 1000Base-X SFP ports. 1-16 port supports IEEE 802.3af PoE(15.4W) or 802.3at PoE+(30W) standard and provides DC power and data signal transmission for AP, IP Phone and IP Camera through category 5 twisted pair. Support PoE management, VLAN, Link Aggregation, QoS, MAC address binding, to protect the users` networking privacy and provide DC power for remote devices. Less wire, easy installation and less time to optimize user` investment.



## Key Feature

- All 1-16 ports support IEEE 802.3af PoE (15.4W) or 802.3at PoE+ (30W) standard power supply. The maximum power output of overall PoE is 230W, by requiring only a standard Cat 5 UTP cable to carry both power and data.
- The switch supports 16 10/100Mbps NWAY RJ45 ports, 2 10/100/1000Mbps NWAY RJ45 ports and 2 reusable 1000Base-X Gigabit SFP ports, with auto MDI/MDIX on all ports and rich ports states.
- The switch employs advanced PoE energy-saving chips. When no data and power is delivered, the interfaces will automatically turn into energy-saving status.
- The product supports QoS, link intergrations, VLAN and ACL . etc. It can prevent the attack from other MACs, to comprehensively guarantee the safety of your network.

## Product Features



### Industry first 250m(820feet) distant power supply

Proprietary 250 meters long distance transmission and power supply patented technology, can open 250m network extension mode by web, implement the data and power supply through the standard cat-5e cable for long distance transmission which can solve problems of long-distance transmission for network monitoring engineering, also can replace fiber and network extender solving the problem of supplying power hard, to reduce the engineering cost of wiring. Intelligent power supply with 8-core standard.



### Enhanced Ethernet PoE+ function

All PoE ports support IEEE 802.3af PoE (15.4W) or 802.3at PoE+ (30W) power supply, auto detect and recognize IEEE802.3af PoE device to power supply; support PoE power intelligent management, based on the power consumption, priority and PoE power period.



### Intelligent network management

Support management functions of network extension, QoS, link aggregation, QVLAN and so on; support single port 250 m network transmission and power supply management, built-in security policy, can prevent the MAC and ARP attack, fully protect your network security.



### Enterprise high reliability design

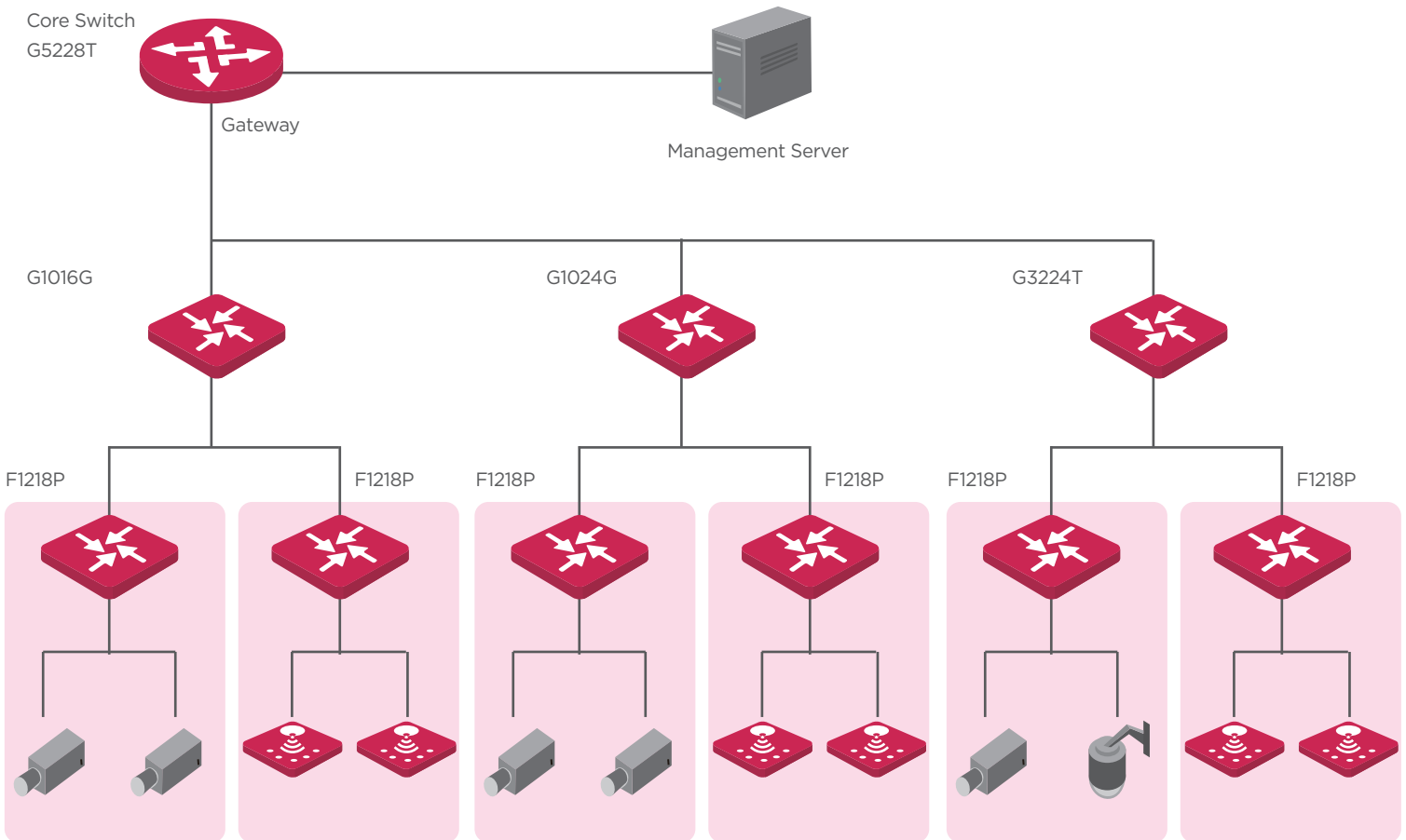
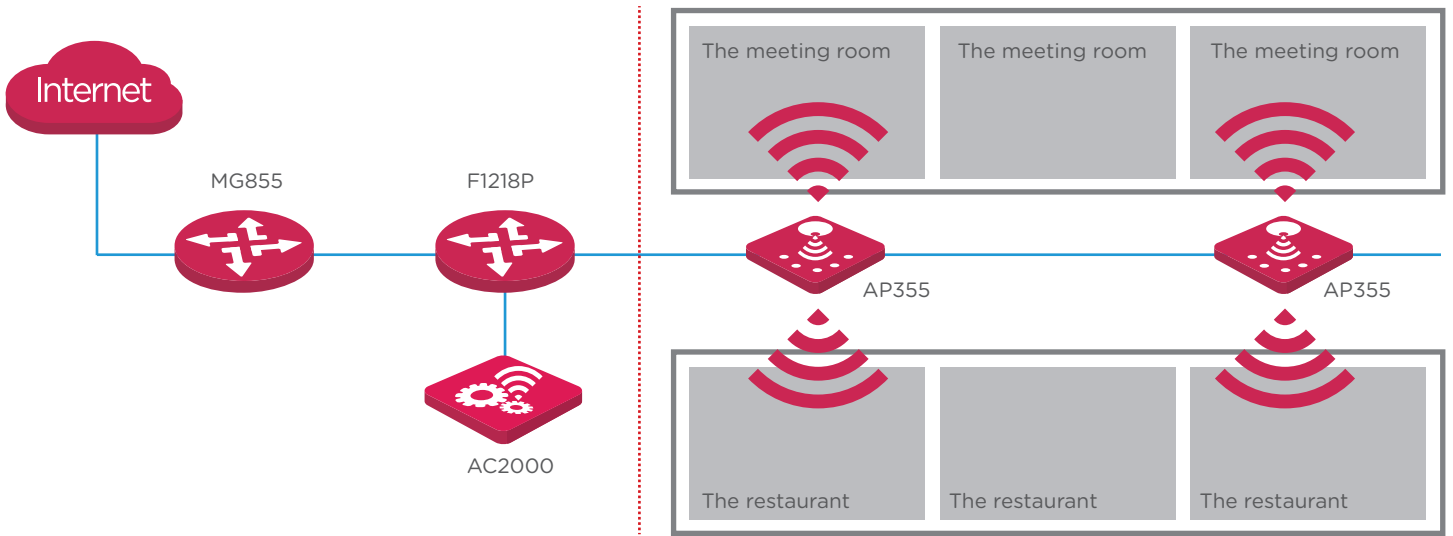
Quality: Mean Time Before Failure of system, MTBF>100,000 hours

Stability: 64 bit packet, time delay<10us, packet loss rate: 0

Restorability: network shaking or device breakdown, restart(recovery) time <10s

Normal operation: operate on -10℃~ 40℃ environment, lifetime of product > 3 years

# Application



Product Model		F1218P
Hardware Features		
Standards&Protocols	IEEE 802.3、 IEEE 802.3u、 IEEE 802.3z、 IEEE 802.3ab、 IEEE 802.3x、 IEEE 802.1D、 IEEE 802.1W、 IEEE 802.1Q、 IEEE 802.3af、 IEEE 802.3at	
Switching capacity	7.2 Gbps	
Throughput	5.36Mpps	
Dimensions (W × D × H)	440mm*208mm*44mm	
MTBF	≥100,000 hours(about 11 years)	
Interfaces	16 10/100Mbps RJ45 Ports(Data/PoE) 2 10/100/1000Mbps RJ45 Ports(Data) 1 100/1000Mbps SFP Slot(Data) (Auto Negotiation/Auto MDI/MDIX)	
Capacity	Wire-speed forwarding	Support
	Forwarding mode	Store-forward and cut-through
	Mac Address Table	4K
PoE Supply	Port 1 to Port 16 support standard IEEE802.3at/af power( maximum power for each port is 38W), PoE power type is end-span(12+, 36- and 45+, 78- line pair)	
Input Voltage	AC: 100—240V~ 50/60Hz	
Power consumption	in full configuration: <250W Power Supply: 230W	
Environment	Operating Temperature: 0°C~40°C (32°F~104°F) Storage Temperature: -40°C~70°C (-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing	
Software Features		
PoE management	Support over temperature protection for PoE module Support graphical management, detection of PD equipment	
VLAN	Supports up to 18 VLAN IDs Port VLAN Supports up to 31 VLAN IDs 802.1Q VLAN	
Security	MAC-Port Binding	
Link aggregation	Static Trunk Supports 3 groups of 4-Port trunk support	
STP	STP/RSTP	
IGMP Snooping	IGMP (v1/v2) Snooping	
Port Mirroring	N: 1 port mirroring	
QoS	802.1p and DSCP priority re-marking Flow control Flexible queue scheduling algorithm can be set based on port and queue, support SP, WRR,	
Firmware upgrade	Upgrade via the Web	
Management and maintenance	Support SNMP v1/v2 and WEB-based management	
Certification	FCC、 CE、 RoHS	

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**IP-COM**

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