Products Description
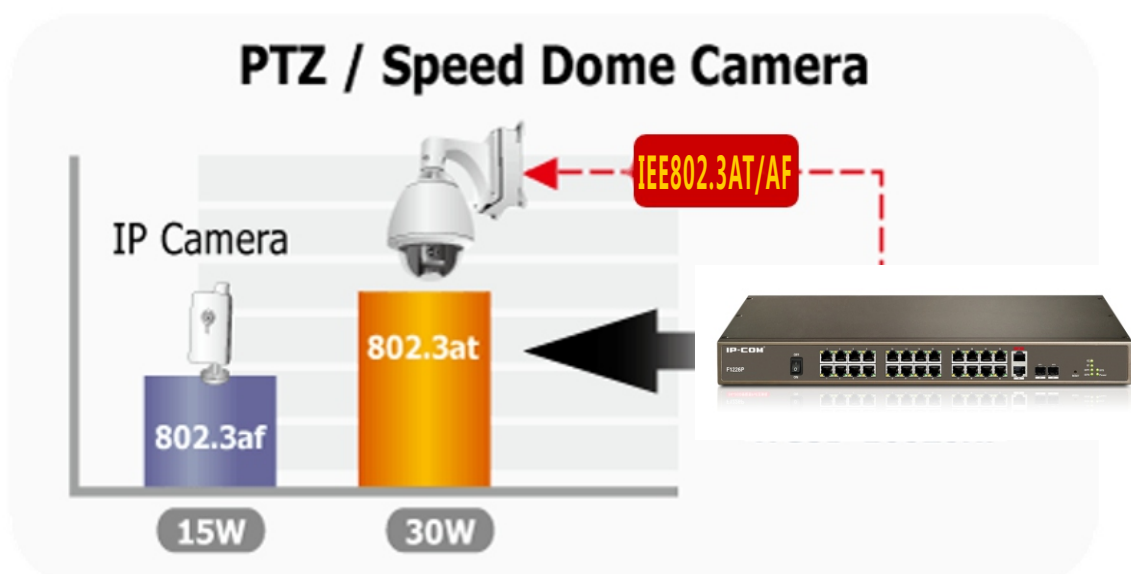

F1226P is 24-port smart PoE switch with 2 GE ports, providing 24 10/100 Base-TX Ethernet ports, 2 10/100/1000 Base-T Ethernet ports and 2 1000Base-X SFP ports. 1-24 port supports IEEE 802.3af PoE(15.4W) or 802.3at PoE+(30W) standard and provides DC power and data signal transmission for AP, IP Phone 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.

Features

Excellent PoE performance

1-24 port supports IEEE 802.3af PoE(15.4W) and 802.3at PoE+(30W) standard, PoE output full power up to 370W. Providing DC power and data signal transmission for AP, IP Phone and IP Camera through category 5 twisted pair.

Reliable industrial grade design

Quality: Mean Time Between Failures--MTBF≥100,000 hours
Stability: 64 byte packet, time delay less than 10µs, packet loss ratio: 0
Restorability: when network is not stable or error occurs, reboot time less than 10s
Normal operating: operating in -10ºC to 45ºC, device service time over 3 years

Flexible ports

Providing 24 10/100Mbps autosensing ports, 2 10/100/1000Mbps autosensing RJ45 port 2 1000Base-X SFP ports and all port support wire-speed forwarding. Flexible ports make users to enjoy seamless connection

Green energy conservation design

Built-in advanced PoE chip with energy-conservation, ports can auto-switch to energy-conservation status. Support smart fan system. Users can adjust the fan speed according to device temperature to reduce power consumption to reduce operation cost.

Excellent maintenance

Frontpanel switch design, support auto-adjust and smart power management to setup the priority of power supply at your pleasure. Kinds of networking management such as Web and SNMP make easy maintenance.

Easy smart management

Support easy management, such as QoS, Link Aggregation,VLAN, ACL etc to prevent MAC attack to make you enjoy a security networking.

Key Features

Simple Intelligent Management

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.
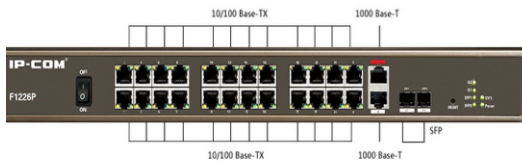
Industrial design for high reliability

Quality: fault-free worktime of the system--MTBF ≥ 100 thousand hours.
Stability: 64 bits, lifetime ≤10μs, packet loss probability: 0.
Recoverability: reboot time ≤10s, when the network turbulence or failures appear.
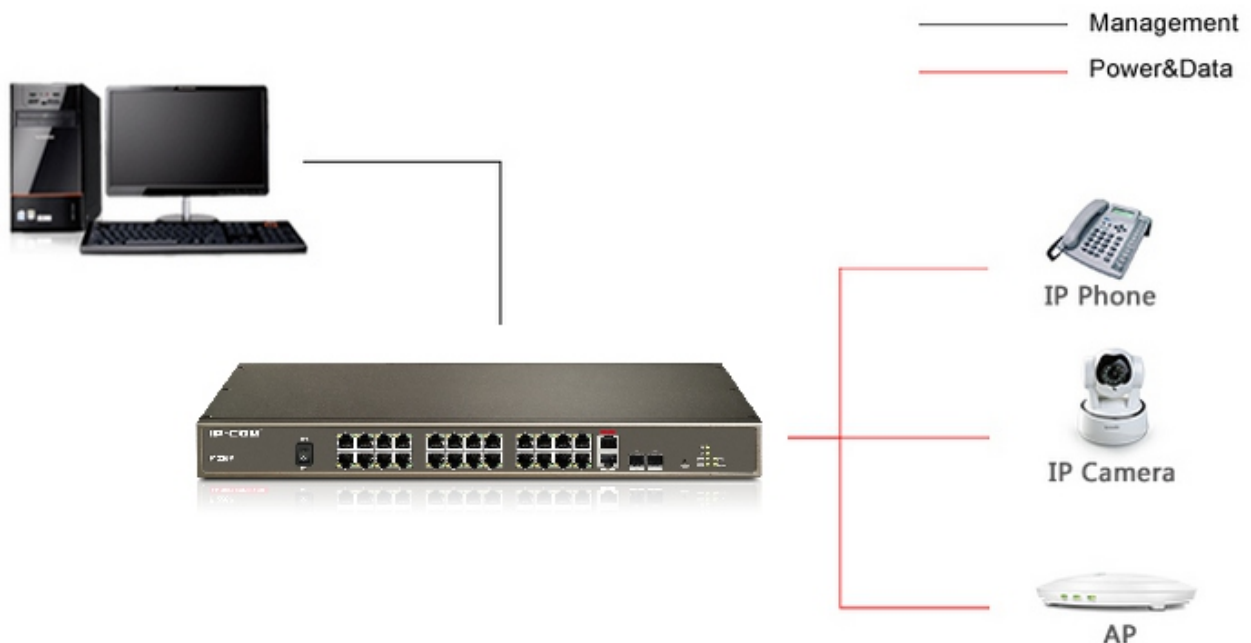
Energy-saving design

The switch employs advanced PoE enery-saving chips. When no data and power is delivered, the interfaces will automatically turn into energy-saving status and use the intelligent fan system , which can auto-adjust the fan rate to reduce power dissipation to the furthest, to reduce the operating costs.

Flexiable prots' states

The switch supports 24 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, allowing users to seamlessly connect all the nets.

Applications

Specification

Standard and protocol supported		IEEE 802.3、IEEE 802.3u、IEEE 802.3z、IEEE 802.3ab、IEEE 802.3x、IEEE 802.1D IEEE 802.3af、IEEE 802.1Q 、IEEE 802.1p、IEEE 802.1x、IEEE 802.1W、SNMP、IGMP
Backplane bandwidth		12.8Gbps
Linear-speed exchange on the second layer		All ports support
MTBF		≥100,000hours
Performance	Store and forward	Yes
	Exchange capacity	8.8Gbit/s
	MAC address entries	4K
		Support setting the maximum number of MAC addresses for learning
Port and module	Fixed Ports	24 FE Ports 2 GE Ports 2 SFP (combo)
	Optional modules	1 SFP modules
Optional power supply	Power supply module	Providing 24 ports under IEEE 802.3af(15.4W) or 12 ports under IEEE 802.3at(30W)
		PoE through 1 2 3 6 pin
	Voltage input range	176V～264V AC；50/60Hz
Dimension(L*W*H)		440*284*44mm
Weight		≈5kg
Total power consumption		AC input
		<450W
		PoE consumption up to 370W

Software Feature

PoE management	Support setup of PoE
	Support power adjustable by priority
	Support over temperature protection for PoE module
VLAN	Support VLAN(4K) based on ports
	Support 802.1QVLAN
Mirroring	Support local mirror image
Link aggregation	Support LACP, manual link aggregation
	Support up to 6 link aggregation groups and up to 8 GE ports per group
QoS	Support message transmission for ports and limitation of speed
	Support SP&WRR
Layer 2 ring network protocol	Support STP/RSTP and looped Network for devices
MAC address management	Support MAC aging, MAC filter, static MAC
Multicast	Support IGMP Snooping
	Support IGMP V1/V2
Security features	Support management for user classification and password protection
	Support IEEE 802.1X authentication
Port features	Support IEEE 802.1X flow control (Full duplex)
	Support broadcast storm control base on ports
	Support broadcast storm control based on PPS
Management and maintenance	Support SNMP v1/v2
	Support WEB-based management
	Support cable detection
	Support loopback detection for ports
	Support system log, hierarchical alarm，debugging information output