IP-COM

# Installation Guide

F1118P-16-150W/F1126P-24-250W
PoE Switch

## Package Contents

- Switch *1
- Power cable *1
- Pad *4
- Screw *6
- L-shaped bracket *2
- Installation Guide *1

If any item is incorrect, missing, or damaged, please keep the original package and contact the vendor for replacement immediately.

# 1. Get to Know Your Device

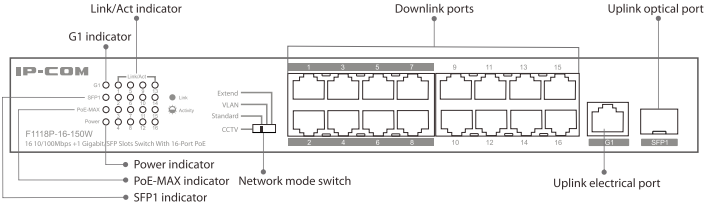


**Figure 1-1 F1118P-16-150W front panel**

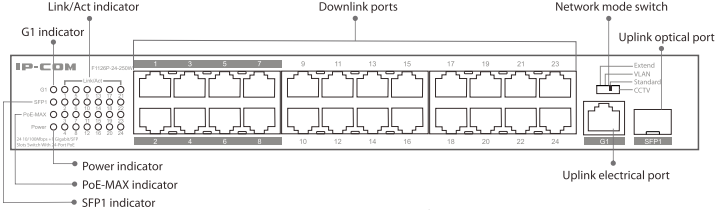


**Figure 1-2 F1126P-24-250W front panel**

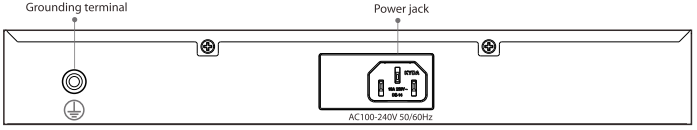


**Figure 1-3 Rear panel (example: F1118P-16-150W)**

# 2. Connecting Devices

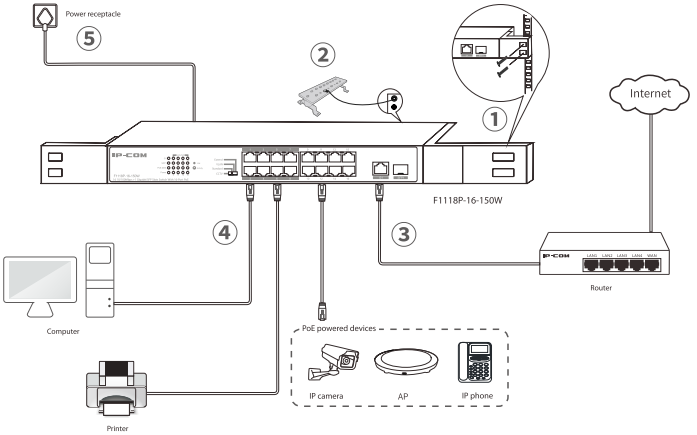


**Figure 2-1 Device connection (example: F1118P-16-150W)**

**Note**

The ports of this switch support Auto MDI/MDIX. You can use straight-through or crossover Ethernet cables to connect the switch to peer devices.

# LED Indicators

| LED Indicator | State | Description |
|---|---|---|
| G1 | Solid on | The port is connected. |
| | Blinking | The port is transmitting or receiving data. |
| | Off | The port is not connected or the connection is faulty. |
| Link/Act | Solid on | The port is connected. |
| | Blinking | The port is transmitting or receiving data. |
| | Off | The port is not connected or the connection is faulty. |
| SFP1 | Solid on | The port is connected. |
| | Off | The port is not connected or the connection is faulty. |
| PoE-MAX | Solid on | The total PoE power output reaches the alarm threshold and the power supplies of powered devices are normal. |
| | Blinking | The total PoE power output exceeds the alarm threshold and the power supplies of some powered devices are faulty. |
| | Off | The total PoE power output has not reached the alarm threshold and the power supplies of powered devices are normal. |
| Power | Solid on | The switch has been powered on properly. |
| | Off | The switch is not powered on or the power supply is faulty. |

# Ports and Switches

| Port/Switch | Name | Description |
|---|---|---|
| 1~16/24 | Downlink ports | 10/100 Mbps auto-negotiation PoE ports for supplying power to and exchanging data with powered devices compliant with the IEEE 802.3af and IEEE 802.3at standards. |
| G1 | Uplink electrical port | 10/100/1000 Mbps auto-negotiation non-PoE port for connecting to a router or core switch. |
| SFP1 | Uplink optical port | Independent 1000 Mbps SFP port for connecting to a router or core switch. |
| CCTV<br>Standard<br>VLAN<br>Extend | Network mode switch | **CCTV**: In this mode, the port cache is optimized and PoE ports 1-8 have higher priorities over the other ports. If multiple IP cameras are connected to the switch, you are recommended to enable this mode and connect the G1 or SFP1 port of this switch to the upstream device to which the monitoring computer connects. This ensures smoother monitoring video playback. All the ports of the switch can communicate with each other. |
| | | **Standard (Default)**: In this mode, the switch functions as a common unmanaged switch and all the ports of the switch can communicate with each other. |
| | | **VLAN**: In this mode, the downlink PoE ports of the switch cannot communicate with each other, but can communicate with the G1 and SFP1 ports. |
| | | **Extend**: In this mode, the data rate of each of PoE ports 1-8 is limited to 10 Mbps, whereas the maximum transmission distance of the port is increased to 250 meters. All the ports of the switch can communicate with each other.<br>*In Extend mode, you are recommended to reduce code stream to below 8 Mbps to ensure fast video data transmission. |
| AC 100-240V 50/60Hz | Power jack | Connected to a power receptacle using the power cable included with the package to supply power to the switch. |
| ⏚ | Grounding terminal | Connected to a protection ground cable for lightning protection. |

**Note**

To ensure the performance of the switch in Extend mode, use CAT5E or better Ethernet cables and set the speed and duplex mode of the ports of peer devices to Auto Negotiation.

# Appendix A Specifications

| Model | | F1118P-16-150W | F1126P-24-250W |
|---|---|---|---|
| Port | 10/100 Mbps RJ45 | 16 | 24 |
| | 10/100/1000 Mbps RJ45 | 1 | 1 |
| | SFP (independent) | 1 | 1 |
| | Lightning protection | 6 kV | |
| | Mode | **CCTV**: In this mode, the port cache is optimized and PoE ports 1-8 have higher priorities over the other ports. If multiple IP cameras are connected to the switch, you are recommended to enable this mode and connect the G1 or SFP1 port of this switch to the upstream device to which the monitoring computer connects. This ensures smoother monitoring video playback. All the ports of the switch can communicate with each other. | |
| | | **Standard (default)**: In this mode, the switch functions as a common unmanaged switch and all the ports of the switch can communicate with each other. | |
| | | **VLAN**: In this mode, the PoE ports of the switch cannot communicate with each other, but can communicate with the G1 and SFP1 ports. | |
| | | **Extend**: In this mode, the data rate of each of PoE ports 1-8 is limited to 10 Mbps, whereas the maximum transmission distance of the port is increased to 250 meters. All the ports of the switch can communicate with each other. | |
| Performance | Store-and-forward | Support | |
| | MAC address table | 4k | |
| | MAC address learning | Automatic learning/Aging | |
| | Backplane bandwidth | 7.2 Gbps | 8.8 Gbps |
| PoE | PoE power supply standard | IEEE 802.3af and IEEE 802.3at | |
| | PoE power cable core | 8 cores | |
| | PoE port | 1-16 | 1-24 |
| | Maximum power output of one port | 30W | 30W |
| | Maximum power output of switch | 135W | 225W |
| Dimensions (L x W x H) | | 294mm*178.8mm*44mm | 294mm*215mm*44mm |

| Model | | F1118P-16-150W | F1126P-24-250W |
|---|---|---|---|
| Input Voltage | | 100~240V AC, 50/60Hz | |
| Environments | Operating environment | Operating temperature: 0°C-40°C<br>Operating humidity: 10%-90%RH, non-condensing | |
| | Storage environment | Storage temperature: -40°C-70°C<br>Storage humidity: 5%-90%RH, non-condensing | |
| Data Rate | | Ethernet: 10 Mbps (half-duplex)/20 Mbps (full-duplex)<br>Fast Ethernet: 100 Mbps (half-duplex)/200 Mbps (full-duplex)<br>Gigabit Ethernet: 2000 Mbps (full-duplex) | |
| Network Medium | | Ethernet: CAT3 or better UTP/STP cable<br>Fast Ethernet: CAT5 or better UTP/STP cable<br>Gigabit Ethernet: CAT5E or CAT6 UTP/STP cable (recommended)<br>1000Base-SX: MMF<br>1000Base-LX: MMF or SMF | |
| Network Standard | | IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af,<br>IEEE 802.3at, IEEE 802.3x, and IEEE 802.3z | |

# CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.
(2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

# FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Caution!**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized m odifications to this equipment.
(2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys new electrical or electronic equipment.

| | |
|---|---|
| Producto | NOMBRE DEL PRODUCTO:<br>Switch de 16 puertos 10/100Mbps + 1 Gigabit/SFP con 16 puertos PoE<br>Modelo: F1118P-16-150W |
| Alimentador de Energía: F1118P-16-150W<br>Alimentación: 100-240 ca 50Hz/60Hz, 2.0A<br>Salida: 53.5V cc 2.8A | |
| PAIS DE ORIGEN: CHINA | |

| | |
|---|---|
| Producto | NOMBRE DEL PRODUCTO:<br>Switch de 24 puertos 10/100Mbps + 1 Gigabit/SFP con 24 puertos PoE<br>Modelo: F1126P-24-250W |
| Alimentador de Energía: F1126P-24-250W<br>Alimentación: 100-240 ca 50Hz/60Hz, 4.0A<br>Salida: 53.5V cc 4.7A | |
| PAIS DE ORIGEN: CHINA | |

## Technical Support

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