



The introduction and working mode of Unmanaged PoE Switch

Background

The Unmanaged PoE Switch is enable to supply the electrical power to the PD. It is plug&play, without configuration.

The Umanaged switch with the Mode switch does support the M1(default),M2(VLAN) and M3(extend) these three working mode, it Can adapt to various complex environment.



Detailed introduction

In Extend and VLAN mode, the concept of the uplink connection port is introduced. Here is an example of what is an uplink port.



Uplink port

In the figure above, there are more switch ports and two rows. There is a gap between the left PoE port and the uplink port.

Note: the number of uplink ports in the switch is generally 1-2, and the port number of the uplink connection port is large and the port number of PoE is small. The uplink port does not support PoE power supply.

The use of the three modes is described below.

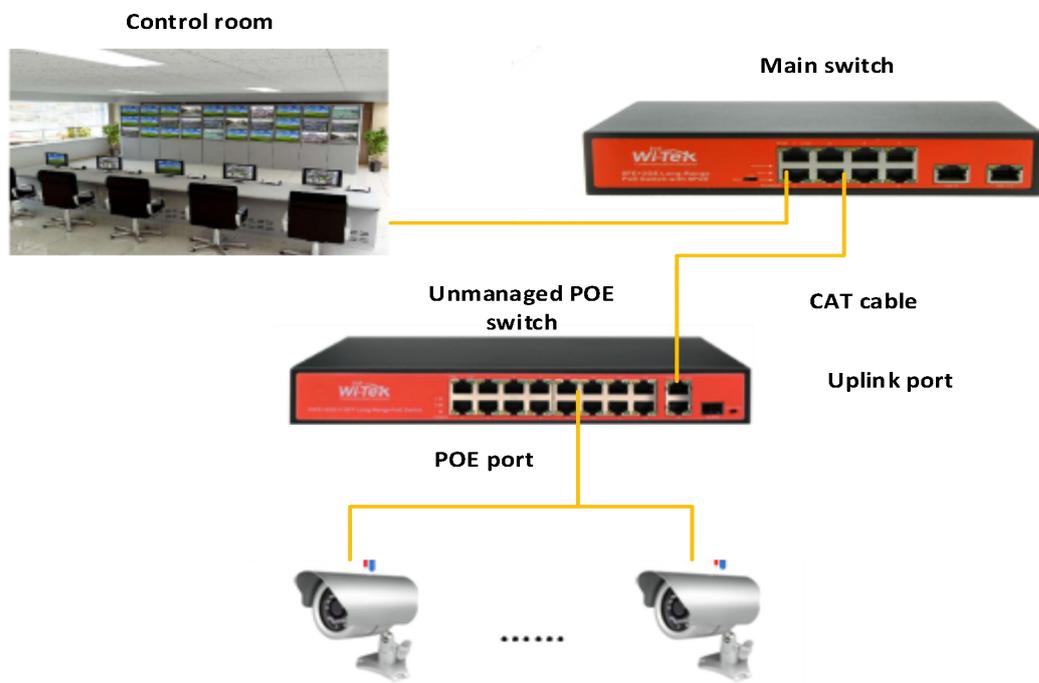
● Default Mode

When the Default mode is allocated, it becomes an unmanaged switch and the PoE ports can communicate with each other and supply power. Suitable for general data transmission environment.

Note: it is recommended to connect the front-end network with Gigabit ports.

● Extend Mode

Extend mode is specially designed for CCTV applications. When multiple network cameras are connected to the switch, it is recommended to enable this mode, as shown below:



In Extend mode, there is no communication between each PoE port of the switch.

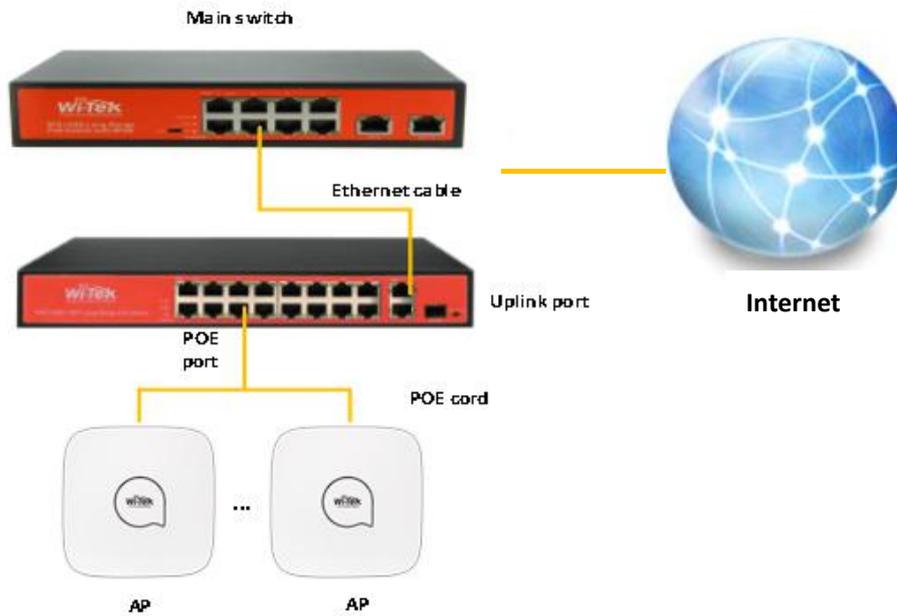
The PoE ports can only communicate with the uplink port.

If there are two more uplink port, the uplink port can also communicate with each other.

● VLAN Mode

When the VLAN mode is allocated, there is no communication between the PoE ports and only the uplink connection communication. If there are more than one uplink port, the uplink connection can communicate with each other. Suitable for the use of wireless AP, it can effectively inhibit broadcast storm and improve wireless network performance, as

shown below:



Note: multiple uplink port cannot connect to the same switch or the same server.