



# OS1206P/60W

## 6-Port 100 Mbps Configurable PoE Switch

4x100Base-TX PoE+ (30W), 2x100Base-TX, 100 W PoE budget, 60 W nominal PoE budget, up to 250 m PoE, DIP Switch, wall mountable



The OS1206P/60W is a configurable 100 Mbps switch with 4x10/100Base-TX PoE+ ports, 2x10/100Base-TX ports and a DIP Switch.

The ORIGO OS1206P/60W switch is recommended for aggregation and organization of remote power supply to surveillance cameras, wireless access points, IP phones and other PoE devices.

The ports 1-4 support 802.3af/at PoE standards, providing up to 30 W for each port and a total PoE budget of 100 W, with a nominal budget of 60 W. Extend PoE Mode can be used to isolate PoE ports traffic and enhance the distance of data transmission up to 250 m. Operating modes are hardware-configurable via DIP switch.

The OS1206P/60W switch is housed in a metal casing, with the possibility of wall mounting. The fanless design provides for the silent operation of the device.

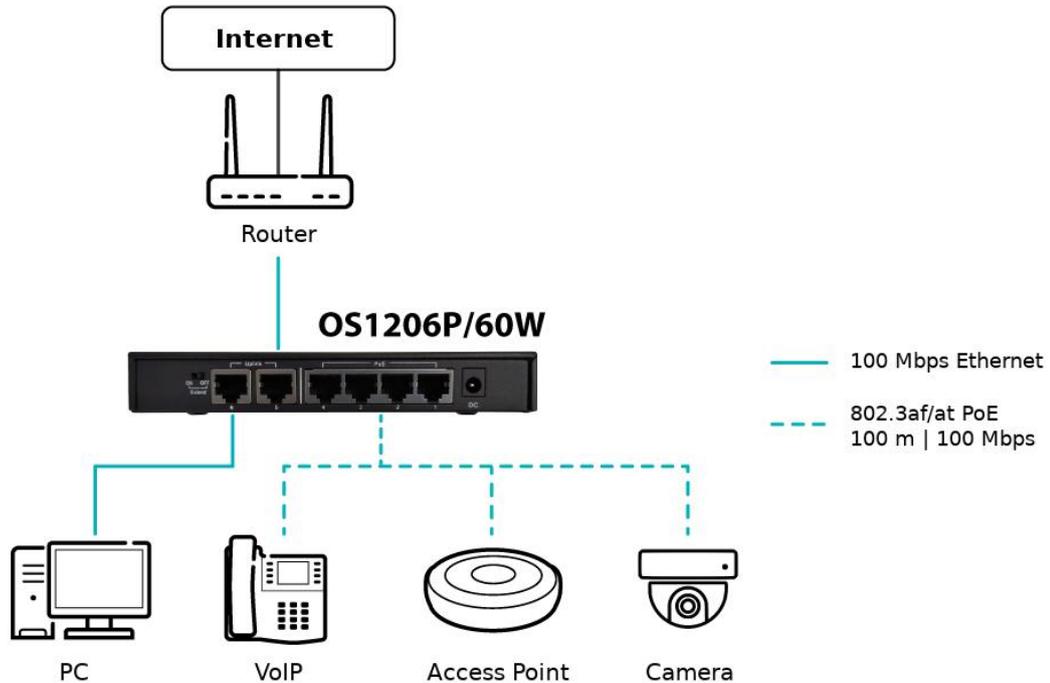
### Key Features

- 4x10/100Base-TX 802.3af/at PoE ports
- 2x10/100Base-TX (RJ-45) uplink ports
- Total PoE power budget: 100 W
- Nominal PoE budget: 60 W
- Extend PoE to increase power supply and data transmission up to 250 m
- VLAN Isolation to isolate PoE ports traffic
- Mode configuration via DIP switch
- Silent operation
- Wall mountable

## Operating Modes

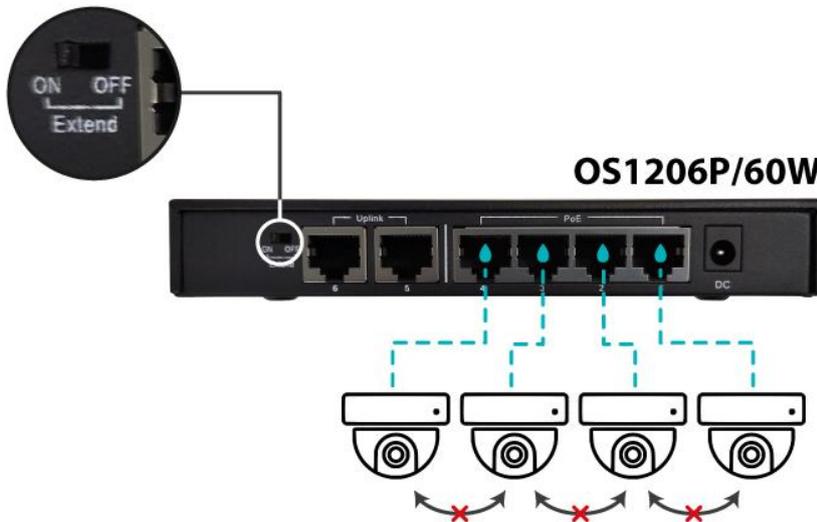
### Standard Mode

- Ports 1 – 4 provide data and power supply transmission at the distance of up to 100 m, at the rate of up to 100 Mbps.



### Extend PoE + VLAN Isolation Mode

- Ports 1 – 4 provide data and power supply transmission at the distance of up to 250 m, at the rate of up to 10 Mbps.
- 10 Mbps rate is most suitable for HD-video streaming.
- Traffic cannot be transmitted between PoE ports, data can only be exchanged with uplink ports.
- Set DIP switch to "ON" in order to enter the current mode.



802.3af/at PoE  
250 m | 10 Mbps

VLAN Isolation  
Traffic isolation for the devices  
connected to ports 1-4

## Specifications

### Hardware

Chipset	<ul style="list-style-type: none"> <li>• IP178G</li> </ul>
Interfaces	<ul style="list-style-type: none"> <li>• 4x10/100Base-TX (RJ-45) PoE ports</li> <li>• 2x10/100Base-TX (RJ-45) ports</li> </ul>
Standards and Functions	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T</li> <li>• IEEE 802.3u 100Base-TX</li> <li>• IEEE 802.3af PoE</li> <li>• IEEE 802.3at PoE</li> <li>• IEEE 802.3x (Flow Control)</li> <li>• IEEE 802.3az Energy-Efficient Ethernet</li> <li>• Autonegotiation of speed and duplex mode</li> <li>• Auto MDI/MDIX</li> </ul>
DIP Switches	<ul style="list-style-type: none"> <li>• Standard Mode <ul style="list-style-type: none"> <li>- Up to 100 m PoE</li> <li>- 10/100 Mbps data transmission rate</li> </ul> </li> <li>• Extend Mode <ul style="list-style-type: none"> <li>- Traffic Isolation for PoE ports</li> <li>- Up to 250 m PoE</li> <li>- 10 Mbps data transmission rate</li> </ul> </li> <li>• DIP Switch to enter/escape Extend Mode (ON/OFF)</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power <ul style="list-style-type: none"> <li>- On – power on state</li> </ul> </li> </ul>



	<ul style="list-style-type: none"><li>- Off – power off state</li><li>• Link (port 1 – 4)<ul style="list-style-type: none"><li>- Always bright – terminal device is connected</li><li>- Flicker – data pass</li><li>- Off – no connection</li></ul></li><li>• Up (port 5 – 6)<ul style="list-style-type: none"><li>- Always bright – uplink switch is connected</li><li>- Flicker – data pass</li></ul></li><li>• Extend<ul style="list-style-type: none"><li>- On – VLAN Isolation enabled, data and power supply transmission at the distance of up to 250 m enabled</li><li>- Off – Standard Mode</li></ul></li></ul>
Power	<ul style="list-style-type: none"><li>• Power adapter input (DC)</li></ul>
Ventilation	<ul style="list-style-type: none"><li>• Fanless</li></ul>
Case	<ul style="list-style-type: none"><li>• Metal</li></ul>
Mounting	<ul style="list-style-type: none"><li>• Desktop</li><li>• Wall</li></ul>

### Capacity

Switching Capacity	<ul style="list-style-type: none"><li>• 1.2 Gbps</li></ul>
Transfer Mode	<ul style="list-style-type: none"><li>• Store-and-forward</li></ul>
MAC Address Table	<ul style="list-style-type: none"><li>• 1K entries</li></ul>
Packet Forwarding Rate	<ul style="list-style-type: none"><li>• 892.8 Kpps</li></ul>
Packet Buffer	<ul style="list-style-type: none"><li>• 56 Kb</li></ul>
Jumbo Frame	<ul style="list-style-type: none"><li>• 1 532 bytes</li></ul>

### PoE

PoE Standard	<ul style="list-style-type: none"><li>• IEEE 802.3af</li><li>• IEEE 802.3at</li></ul>
PoE Ports	<ul style="list-style-type: none"><li>• 1-4</li></ul>
Max. Power Consumption per Port	<ul style="list-style-type: none"><li>• 30 W</li></ul>
Max. PoE Power Budget	<ul style="list-style-type: none"><li>• 100 W</li></ul>



Nominal PoE Budget	<ul style="list-style-type: none"><li>• 60 W</li></ul>
PoE Mode	<ul style="list-style-type: none"><li>• Type A</li></ul>

### Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none"><li>• 160 x 72 x 24 mm</li></ul>
Weight	<ul style="list-style-type: none"><li>• 0.26 kg</li></ul>
Package Size	<ul style="list-style-type: none"><li>• 19 x 8.5 x 9.1 cm</li></ul>
Gross Weight	<ul style="list-style-type: none"><li>• 0.66 kg</li></ul>

### Operating Conditions

Power	<ul style="list-style-type: none"><li>• Power Adapter:<ul style="list-style-type: none"><li>- Input: 100-240 V AC, 50/60 Hz</li><li>- Output: 54 V DC</li></ul></li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0 to 40 °C</li><li>• Storage: -40 to 70 °C</li></ul>
Humidity	<ul style="list-style-type: none"><li>• Operating: 10% to 90% non-condensing</li><li>• Storage: 5% to 90% non-condensing</li></ul>

### Package Contents

Package Contents	<ul style="list-style-type: none"><li>• OS1206P/60W Switch</li><li>• Power Adapter</li><li>• Quick Installation Guide</li></ul>
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### Order Info

OS1206P/60W	Configurable PoE Switch, 6x100Base-TX, PoE up to 250 m
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