



# OS1218P/190W

## 18-Port Configurable PoE Switch

16x100Base-TX PoE+ (30W), 2x1000Base-T, 190 W PoE budget, PoE up to 250 m, DIP Switch, 19" rack mounting



The OS1218P/190W is a configurable switch with 16x10/100Base-TX PoE+ ports, 2x10/100/1000Base-T uplink ports and a DIP Switch.

The ORIGO OS1218P/190W switch is recommended for organization of remote power supply to surveillance cameras, wireless access points, IP phones and other PoE devices.

The ports 1-16 support 802.3af/at PoE standards, providing up to 30 W for each port and a total PoE budget of 190 W.

The switch supports operation in Standard Mode and VLAN+Extend PoE Mode. Operating modes are hardware-configurable via DIP switch.

VLAN+Extend PoE Mode allows to increase power supply and data transmission up to 250 m and to isolate traffic on PoE ports with the help of VLAN Isolation.

The OS1218P/190W switch is housed in a metal casing with the possibility of 19" rack mounting. Mounting kit is included in the package.

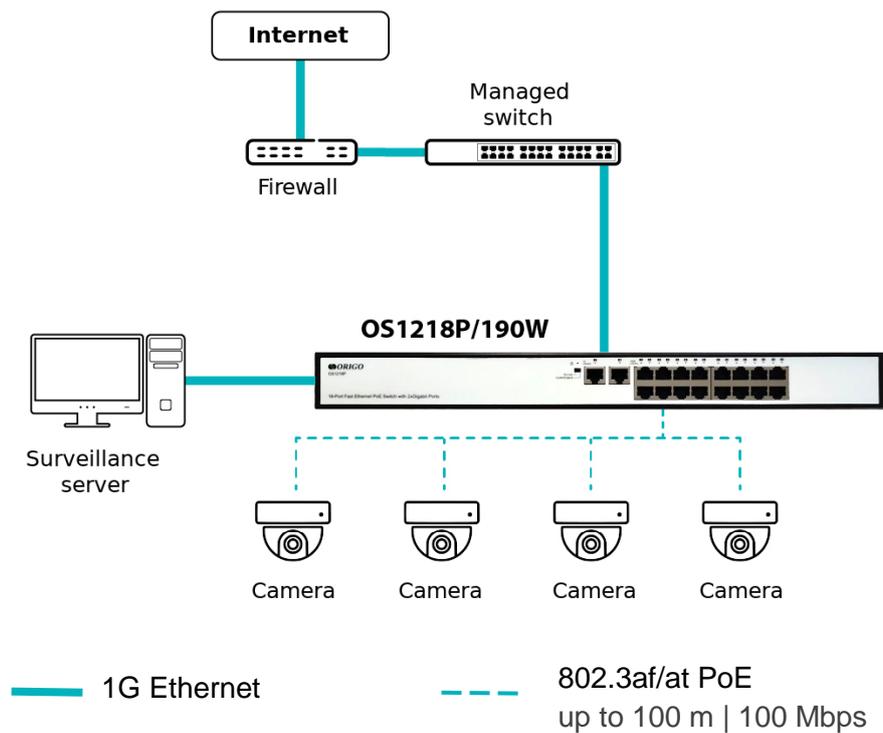
### Key Features

- 16x10/100Base-TX 802.3af/at PoE ports
- 2x10/100/1000Base-T (RJ-45) uplink ports
- Total PoE power budget: 190 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
- 19" rack mounting

## Operating Modes

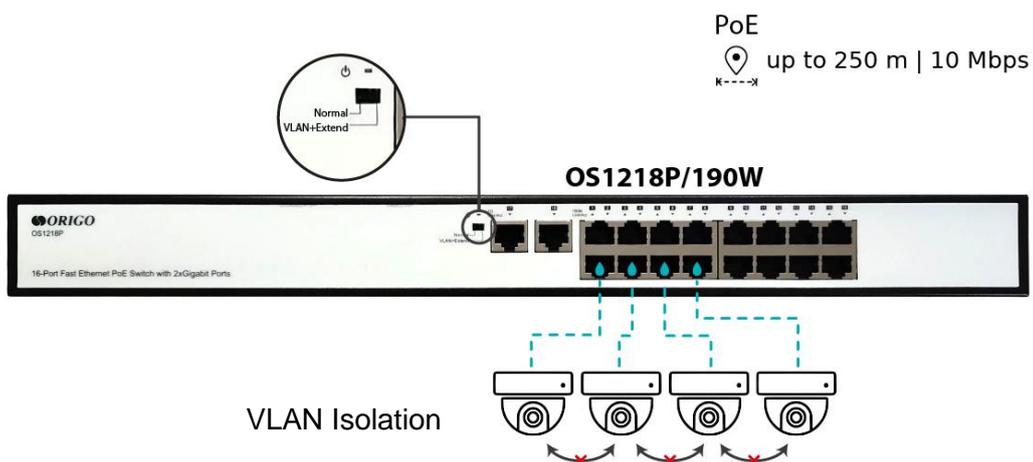
### Standard Mode

The ports 1 – 16 provide power and data transmission over a distance of up to 100 m at a rate of up to 100 Mbps.



### VLAN + Extend PoE Mode

- The ports 1 – 16 provide power and data transmission over the distance of up to 250 m at the rate of up to 10 Mbps.
- 10 Mbps rate is most suited for HD video streaming.
- The traffic cannot be transmitted between PoE ports, data can be exchanged only with uplink ports.





## Specifications

### Hardware

Chipset	<ul style="list-style-type: none"><li>• MT7530BU</li></ul>
Interfaces	<ul style="list-style-type: none"><li>• 16x10/100Base-TX (RJ-45) PoE ports</li><li>• 2x10/100/1000Base-T (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 802.3ab 1000Base-T</li><li>• IEEE 802.3af PoE</li><li>• IEEE 802.3at PoE</li><li>• IEEE 802.3x (Flow Control)</li><li>• Auto-negotiation of speed and duplex mode</li><li>• Auto MDI/MDIX</li></ul>
DIP Switches	<ul style="list-style-type: none"><li>• Standard Mode (Normal)<ul style="list-style-type: none"><li>- PoE up to 100 m</li><li>- Data transmission rate – 10/100 Mbps</li></ul></li><li>• VLAN + Extend Mode<ul style="list-style-type: none"><li>- PoE ports isolation</li><li>- PoE up to 250 m</li><li>- Data transmission rate – 10 Mbps</li></ul></li></ul>
LEDs	<ul style="list-style-type: none"><li>• Power<ul style="list-style-type: none"><li>- On – power on state</li><li>- Off – power off state</li></ul></li><li>• Link (ports 1-18)<ul style="list-style-type: none"><li>- Always bright – device is connected</li><li>- Flicker – data pass</li><li>- Off – no connection</li></ul></li></ul>
Power	<ul style="list-style-type: none"><li>• Power input (AC)</li></ul>
Ventilation	<ul style="list-style-type: none"><li>• 1 fan</li></ul>
Case	<ul style="list-style-type: none"><li>• Metal</li></ul>
Mounting	<ul style="list-style-type: none"><li>• Desktop</li><li>• 19" rack</li></ul>

### Capacity

Switching Capacity	<ul style="list-style-type: none"><li>• 7.2 Gbps</li></ul>
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Transfer Mode	<ul style="list-style-type: none"><li>• Store-and-forward</li></ul>
MAC Address Table	<ul style="list-style-type: none"><li>• 8K entries</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 – 16</li></ul>
Max. Power Consumption per Port	<ul style="list-style-type: none"><li>• 30 W</li></ul>
PoE Power Budget	<ul style="list-style-type: none"><li>• 190 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>• 440 x 220 x 45 mm</li></ul>
Weight	<ul style="list-style-type: none"><li>• 2.32 kg</li></ul>
Package Size	<ul style="list-style-type: none"><li>• 47.4 x 29.2 x 9.7 cm</li></ul>
Gross Weight	<ul style="list-style-type: none"><li>• 2.97 kg</li></ul>

### Operating Conditions

Power	<ul style="list-style-type: none"><li>• 100-240 V AC, 50/60 Hz</li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0 to 45 °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>• OS1218P/190W Switch</li><li>• Power Cord</li><li>• 19" Rack Mounting Kit</li><li>• Quick Installation Guide</li></ul>
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### Order Info

OS1218P/190W	Configurable PoE Switch, 16x100Base-TX, 2x1000Base-T, PoE up to 250 m
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