



# OS2406P/60W

## 4-Port Gigabit Ethernet Web Smart PoE Switch with 2xGigabit Ports

4x1000Base-T PoE+ (30 W), 2x1000Base-T, 60W PoE Budget, wall / desktop mounting



OS2406P/60W is a Web smart L2 PoE switch with 4x1000Base-T PoE+ ports and 2x1000Base-T ports.

The ORIGO OS2406P/60W switch is recommended for building of small and medium enterprises' networks that need a modern gigabit solution with Web management functions for increasing bandwidth at level of 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 60 W. The PD Alive function allows you to monitor PoE-powered devices and automatically restart unresponsive devices.

The OS2406P/60W supports traffic separation using 802.1Q VLAN, Loopback Detection, Port mirroring, DHCP Snooping, and QoS for prioritization of latency-sensitive traffic. The storm control feature limits the amount of broadcast, multicast or unknown unicast traffic, blocks or drops packets that are subject to the limit and prevents network congestion. The cable diagnostic function allows you to determine the condition of the twisted pair and the type of cable malfunction.

### Key Features

- 4x10/100/1000Base-T 802.3af/at PoE ports
- 2x1000Base-T ports
- Total PoE budget – 60 W
- Automatic detection and protection against damage to equipment with and without PoE
- PD Alive
- 802.1Q VLAN, QoS, IGMP Snooping
- Loopback Detection and cable diagnostics
- Web management
- Fanless
- Wall mountable



## Specifications

### Hardware

CPU and Memory	<ul style="list-style-type: none"><li>• CPU: RTL8382L</li><li>• Flash: 16 MB</li></ul>
Interfaces	<ul style="list-style-type: none"><li>• 4x10/100/1000Base-T (RJ-45) PoE ports</li><li>• 2x1000Base-T 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 802.1Q (VLAN)</li><li>• IEEE 802.1p (QoS)</li><li>• IEEE 802.3x (Flow Control)</li><li>• Auto-negotiation of speed and duplex mode</li><li>• Auto MDI/MDIX on all copper ports</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/Act (Ports 1 – 6)<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>• PoE (Ports 1 – 4)<ul style="list-style-type: none"><li>- Always bright – PoE device is connected</li><li>- Flicker – port abnormal PoE supply</li><li>- Off – PoE device is not connected</li></ul></li></ul>
Buttons	<ul style="list-style-type: none"><li>• Reset</li></ul>
Ventilation	<ul style="list-style-type: none"><li>• Fanless</li></ul>
Power	<ul style="list-style-type: none"><li>• Power connector (AC)</li></ul>
Casing	<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	• 12 Gbps
Packet Forwarding Rate	• 8.93 Mpps
Transfer Mode	• Store-and-forward
MAC Address Table	• 8K entries
Packet Buffer	• 512 KB
Jumbo Frame	• 9 216 bytes

## PoE

PoE Standard	• IEEE 802.3af • IEEE 802.3at
PoE Ports	• 1-4
Max. Power Consumption per Port	• 30 W
PoE Power Budget	• 60 W
Management and Monitoring	• PD Alive: Continuously monitors PoE-powered devices (PDs) and automatically restarts unresponsive devices

## Software

L2 Features	• Flow Control • Port mirroring <ul style="list-style-type: none"><li>- One-to-One</li><li>- Many-to-One</li><li>- Ingress, egress, both</li></ul> • Loopback Detection • Cable diagnostics
L2 Multicast	• IGMP Snooping <ul style="list-style-type: none"><li>- IGMP v1/v2</li><li>- Supports up to 10 groups</li></ul>
VLAN	• 802.1Q tagged VLAN
QoS	• 802.1p • Supports up to 8 queues per port • DSCP • Queue handling <ul style="list-style-type: none"><li>- Strict Priority (SP)</li></ul>



	<ul style="list-style-type: none"><li>- Weighted Round Robin (WRR)</li><li>• Port-based bandwidth control</li></ul>
Security	<ul style="list-style-type: none"><li>• Static MAC addresses</li><li>• Storm Control</li><li>• Traffic Segmentation</li><li>• DHCP Snooping</li></ul>
Management	<ul style="list-style-type: none"><li>• Web-based UI</li></ul>

### Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none"><li>• 168 x 94 x 32 mm</li></ul>
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### Operating Conditions

Power Input	<ul style="list-style-type: none"><li>• 100-240 V AC, 50/60 Hz</li></ul>
MTBF (hours)	<ul style="list-style-type: none"><li>• 50 000</li></ul>
Surge Protection	<ul style="list-style-type: none"><li>• <math>\pm 4</math> kV (common mode)</li><li>• <math>\pm 2</math> kV (differential mode)</li></ul>
Electrostatic Discharge (ESD) Protection	<ul style="list-style-type: none"><li>• Contact discharge: <math>\pm 6</math> kV</li><li>• Air discharge: <math>\pm 8</math> kV</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>• OS2406P Switch</li><li>• Power Cord</li><li>• Quick Installation Guide</li></ul>
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### Order Info

OS2406P/60W	Web Smart L2 PoE Switch, 4x1000Base-T PoE+, 2x1000Base-T
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