



# OS5109

## 8-Port 2.5G Web Smart Switch with 1x10G SFP+ Uplink Port

8x100/1000/2.5GBase-T, 1x10G SFP+

OS5109 is a Web smart L2 switch with 8x2.5GBase-T ports and 1x10G SFP+ uplink port.

The ORIGO OS5109 switch is recommended for small and medium business networks, budget organizations and educational institutions that require a reliable and simple gigabit solution with Web management, security, QoS and network segmentation functions.

The OS5109 supports traffic separation using 802.1Q VLAN and Port Mirroring. 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

- 8x2.5GBase-T ports
- 1x10G SFP+ uplink port
- 802.1Q VLAN
- QoS providing traffic prioritization
- Cable diagnostics
- Web management



## Specifications

### Hardware

|                         |   |
|-------------------------|---|
| Interfaces              | <ul style="list-style-type: none"><li>• 8x100/1000/2.5GBase-T ports (RJ-45)</li><li>• 1x10GBase-X SFP+ port</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 802.3bz 2.5GBase-T</li><li>• IEEE 802.3z 1000Base-X</li><li>• IEEE 802.3ae 10GBase-X</li><li>• IEEE 802.1Q (VLAN)</li><li>• IEEE 802.1p (QoS)</li><li>• IEEE 802.3x (Flow Control)</li><li>• IEEE 802.3az Energy-Efficient Ethernet</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 – 9)<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></ul>   |
| Buttons                 | <ul style="list-style-type: none"><li>• Reset</li></ul>   |
| Power                   | <ul style="list-style-type: none"><li>• Connector for connecting the DC power adapter</li></ul>   |
| Mounting                | <ul style="list-style-type: none"><li>• Desktop</li></ul>   |

### Capacity

|                        |   |
|------------------------|---|
| Switching Capacity     | <ul style="list-style-type: none"><li>• 60 Gbps</li></ul>           |
| Packet Forwarding Rate | <ul style="list-style-type: none"><li>• 44.64 Mpps</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>• 4K entries</li></ul>        |
| Packet Buffer          | <ul style="list-style-type: none"><li>• 1 MB</li></ul>              |
| Jumbo Frame            | <ul style="list-style-type: none"><li>• 10 KB</li></ul>             |

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**Software**

|              |   |
|--------------|---|
| L2 Features  | <ul style="list-style-type: none"><li>• Flow Control</li><li>• Port mirroring</li><li>• Static Link Aggregation</li><li>• Cable diagnostics</li></ul> |
| L2 Multicast | <ul style="list-style-type: none"><li>• IGMP Snooping</li></ul>   |
| VLAN         | <ul style="list-style-type: none"><li>• 802.1Q, 128 VLAN</li></ul>  |
| QoS          | <ul style="list-style-type: none"><li>• 802.1p</li><li>• Supports up to 4 queues per port</li><li>• DSCP</li></ul>                                    |
| Security     | <ul style="list-style-type: none"><li>• Storm Control</li></ul>   |
| Management   | <ul style="list-style-type: none"><li>• Web-based GUI</li></ul>   |

**Physical Parameters**

|                           |   |
|---------------------------|---|
| Dimensions<br>(L x W x H) | <ul style="list-style-type: none"><li>• 190 x 116 x 29 mm</li></ul> |
|---------------------------|---|

**Operating Conditions**

|             |  |
|-------------|--|
| Power Input | <ul style="list-style-type: none"><li>• Power adapter:<ul style="list-style-type: none"><li>- Output: 12 V DC, 1.5 A</li></ul></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 95% (non-condensing)</li></ul>   |

**Package Contents**

|                  |  |
|------------------|--|
| Package Contents | <ul style="list-style-type: none"><li>• OS5109 Switch</li><li>• Power Adapter</li><li>• Quick Installation Guide</li></ul> |
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**Order Info**

|        |   |
|--------|---|
| OS5109 | Web Smart L2 Switch, 8x2.5GBase-T, 1x10GBase-X SFP+ |
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