



# OS2228P/370W

## 28-Port Gigabit Configurable PoE Switch

24x1000Base-T PoE+ (30 W), 2x1000Base-T, 2x1000Base-X SFP, 370 W PoE budget, DIP Switch, 19" rack mounting



The OS2228P/370W is a gigabit configurable switch with 24x10/100/1000Base-T PoE+ ports, 2x10/100/1000Base-T ports, 2x1000Base-X SFP ports and a DIP Switch.

The ORIGO OS2228P/370W switch is recommended for building of small and medium enterprises' networks that need a modern gigabit solution to increase 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 1-24 support 802.3af/at PoE standards, providing up to 30 W for each port and a total PoE budget of 370 W.

Operating modes are hardware-configurable via DIP switch.

The support for Loop Detection / Loop Prevention allows to monitor loops on ports and prevent switch overload in the Standard Mode.

VLAN Mode provides traffic segmentation of connected devices and improves data transmission security.

In Network Cloning Mode, traffic can be transmitted between all ports on the switch, while IEEE 802.3x Flow Control is disabled.

The OS2228P/370W switch is housed in a metal casing with the possibility of 19" rack mounting. Mounting kit is included in the package.

### Key Features

- 24x10/100/1000Base-T ports with 802.3af/at PoE support
- 2x10/100/1000Base-T ports
- 2x1000Base-X SFP ports
- Total PoE power budget: 370 W
- Standard Mode with Loop Detection / Loop Prevention support
- VLAN Mode for PoE ports isolation
- Network Cloning Mode to disable IEEE 802.3x Flow Control
- Mode configuration via DIP switch
- 19" rack mountable



## DIP Switch Operating Modes

### Standard Mode

The traffic can be transmitted between all ports.

### Network Cloning Mode

The traffic can be transmitted between all ports with IEEE 802.3x Flow Control feature will be disabled.

### VLAN Mode

The traffic cannot be transmitted between ports 1-24, but each of these ports can exchange traffic with ports 25-28.

Functions	Operating Modes		
	Standard	Network Cloning	VLAN
Loop Detection	On	Off	Off
Loop Prevention	On	Off	Off
Port Isolation	Off	Off	On
IGMP	On	On	On
Flow Control	On	Off	On
Storm Control	On	On	On
EEE	On	On	On



## Specifications

---

### Hardware

Chipset	<ul style="list-style-type: none"><li>• EN8853D</li></ul>
Interfaces	<ul style="list-style-type: none"><li>• 24x10/100/1000Base-T (RJ-45) PoE ports</li><li>• 2x10/100/1000Base-T (RJ-45) ports</li><li>• 2x1000Base-X SFP 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 802.3z 1000Base-X</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 for 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<ul style="list-style-type: none"><li>- Always bright green – terminal device is connected</li><li>- Flicker green – data pass</li><li>- Off – no connection</li></ul></li><li>• PoE (ports 1 – 24)<ul style="list-style-type: none"><li>- Always bright green – PoE device is connected</li><li>- Flicker more than 10 seconds – Connection can't be established due to compatibility problem</li><li>- Off – PoE device is not connected</li></ul></li><li>• Loop<ul style="list-style-type: none"><li>- Flicker green – The loop is detected in the network</li><li>- Off – No loop</li></ul></li></ul>
DIP Switches	<ul style="list-style-type: none"><li>• Standard<ul style="list-style-type: none"><li>- Forwarding traffic between all ports</li><li>- Loop Detection/Loop Prevention</li><li>- IEEE 802.3x (Flow Control)</li><li>- Broadcast Storm Control</li><li>- IGMP</li></ul></li></ul>



	<ul style="list-style-type: none"><li>• Network Cloning<ul style="list-style-type: none"><li>- IEEE 802.3x (Flow Control) is disabled on all ports</li><li>- Broadcast Storm Control</li><li>- IGMP</li></ul></li><li>• VLAN<ul style="list-style-type: none"><li>- Traffic isolation for ports 1-24</li><li>- IEEE 802.3x (Flow Control)</li><li>- Broadcast Storm Control</li><li>- IGMP</li></ul></li></ul>
Power	<ul style="list-style-type: none"><li>• Power connector (AC)</li></ul>
Ventilation System	<ul style="list-style-type: none"><li>• 2 fans</li></ul>
Casing	<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>• 56 Gbps</li></ul>
Packet Forwarding Rate	<ul style="list-style-type: none"><li>• 35.7 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>• 8K entries</li></ul>
Packet Buffer	<ul style="list-style-type: none"><li>• 512 KB</li></ul>
Jumbo Frame	<ul style="list-style-type: none"><li>• 15 KB</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>• 1-24</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>• 370 W</li></ul>
PoE Mode	<ul style="list-style-type: none"><li>• Type A</li></ul>



---

### Physical Parameters

Dimensions (L x W x H)	• 440 x 220 x 44.5 mm
------------------------	-----------------------

### Operating Conditions

Power Input	• 100–240 V AC, 50/60 Hz
-------------	--------------------------

Max Power Consumption	• 400 W
-----------------------	---------

Temperature	• Operating: 0 to 50 °C • Storage: -40 to 70 °C
-------------	--

Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 90% non-condensing
----------	---

### Package Contents

Package Contents	• OS2228P/370W Switch • Power Cord • 19" Rack Mounting Kit • Quick Installation Guide
------------------	--

### Order Info

OS2228P/370W	Configurable PoE Switch, 26x1000Base-T, 2x1000Base-X SFP
--------------	--

---