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OS2328P/360W

24-Port Gigabit L2 Managed PoE Switch with 4xCombo Gigabit/SFP Ports

24x10/100/1000Base-T 802.3af/at PoE, 4xCombo 100/1000Base-T/SFP, 360W PoE Budget, PoE up to 250 m, 19'' rack mounting

The ORIGO OS2328P/360W is a managed L2 switch with 24x10/100/1000Base-T PoE+ ports and 4xCombo 1000Base-T/SFP uplinks.

The OS2328P/360W is recommended for SMBs, retail, public sector organizations, and educational institutions that require a reliable, easy-to-manage access-layer solution for connecting end devices and delivering PoE to IP cameras, wireless access points, IP phones, and other PoE-enabled equipment.

Ports 1 – 24 support IEEE 802.3af/at PoE standards, delivering up to 30W per port with a total PoE budget of 360W. The Gigabit combo uplinks provide flexible connectivity options over fiber or copper, ensuring seamless integration into enterprise networks.

The switch is suitable for use in video surveillance systems (CCTV). The Extend PoE mode allows to overcome the standard Ethernet limit of 100 m and connect IP cameras at a distance of up to 250 m at speeds up to 10 Mbit/s, simplifying installation and reducing costs when building CCTV networks. The PD Alive function allows you to monitor PoE-powered devices and automatically restart unresponsive devices.

Designed to simplify network deployment, the OS2328P/360W supports 802.1Q VLAN for traffic segmentation, Voice VLAN and Auto Surveillance VLAN for seamless IP phone and video surveillance integration, with 802.1X authentication providing secure network access. Advanced features such as loopback detection, STP/RSTP redundancy, and built-in cable diagnostics deliver stable, resilient, and easy-to maintain networks.

The switch can be managed through a Web-based UI or SNMP, making it an excellent choice for networks that need cost-effective gigabit performance with essential manageability.

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Key Features

- 24 x 10/100/1000Base-T (RJ-45) 802.3af/at PoE ports
- 4 x Combo 100/1000Base-T/SFP uplinks
- 360W PoE Budget
- Adapted for CCTV: PoE up to 250m, PD Alive
- 802.1Q VLAN, Voice VLAN, Auto Surveillance VLAN
- Loopback Detection for preventing switching loops
- STP/RSTP for enhanced redundancy and fault tolerance
- Cable diagnostics for testing cabling and identifying faults
- Management via Web UI and SNMP

Specifications

Hardware

CPU and Memory	• CPU: EN8853C • RAM: 512 KB • Flash: 16MB
Interface	• 24x10/100/1000Base-T (RJ-45) PoE • 4xCombo 1000Base-T/SFP
CPU	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3z 1000Base-X • IEEE 802.3af PoE • IEEE 802.3at PoE • IEEE 802.1Q (VLAN) • IEEE 802.1p (QoS) • IEEE 802.3x (Flow Control) • Auto-Negotiation • Auto MDI/MDIX on all copper ports

LEDs	• PWR
	   - ON – power on state
	   - OFF – power off state
	• LNK/ACT (Ports 1 – 28)
	   - Always bright – terminal device connected
	   - Flicker – data pass
	   - OFF – no connection

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	• SYS
	
	   - Flicker – the system is working properly
	
	   - OFF – the system is being started or is abnormal
	
	• PoE (Ports 1 – 24)
	
	   - On: PoE device is connected
	
	   - Off: No PoE device connected

Button	• Reset
Ventilation	• 2 fans
Power	• Power connector (AC)
Housing	• Metal
Mounting	• Desktop • 19" rackmount

Performance

Switching Capacity	• 56 Gbps
Packet Forwarding Rate	• 35.7 Mpps
Transfer Mode	• Store-and-forward
MAC Address Table	• 8K entries
Packet Buffer	• 512KB
Jumbo Frame	• 15KB

PoE

PoE Standard	• IEEE 802.3af • IEEE 802.3at
PoE Ports	• 1 – 24
Max. Power per Port:	• 30W
PoE Power Budget	• 360W
PoE Mode	• Type A

PoE Distance	• 100 m
	
	   - Data rate – up to 1000 Mbps
	
	• 250 m[1]
	
	   - Data rate – up to 10 Mbps

[1]*Data and power transmission over distances of up to 250 m is possible with a switch port speed limited to 10 Mbps. The connected device should also support speeds of up to 10 Mbps.*

Management and Monitoring	• PD Alive: monitoring and automatic reboot of PoE-powered devices if they become unresponsive for 5 minutes.

Software

L2 Features	• Port Mirroring
	- One-to-One
	- Many-to-One
	- Ingress/egress traffic mirroring
	• Static Link Aggregation
	- Up to 4 groups per device / up to 8 ports per group
	• Loopback Detection
	• Spanning Tree Protocol
	- 802.1D STP
	- 802.1w RSTP
	• LLDP
	• LLDP-MED
	• Cable Diagnostics
L2 Multicast	• IGMP Snooping
	- IGMP v1/v2
	- IGMP Snooping Querier
	- Supports up to 64 groups
VLAN	• Port-based VLAN
	• 802.1Q tagged VLAN
	• Voice VLAN
	• Auto Surveillance VLAN
	• VLAN Groups
	- Up to 32 static VLAN groups
	- Maximum VID range: 1-4094
QoS	• 802.1p
	• Supports up to 8 queues per port
	• CoS based on:
	- 802.1p Priority Queues
	- DSCP
	- Switch port
	• Queue Handling
	- Strict Priority (SP)
	- Weighted Round Robin (WRR)
	- Weighted Fair Queuing (WFQ)

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	• Bandwidth Control
	- Port-based (ingress/egress, min. 32 Kbps)
Security	• Port Security
	• Storm Control
	• DoS Attack Prevention
	• DHCP Snooping
	• SSL
	- TLS support
AAA	• 802.1X Authentication:
	- Port-Based
	- Host-based
Management	• Web-based UI
	• SNMP v1/v2c
	• SNMP Traps
	• DHCP Relay
	• Multi-version firmware support

Physical Parameters

Dimensions (L x W x H)	• 440 x 220 x 44.5 mm
Weight	• 2.78 kg
Package Dimensions	• 51 x 35 x 8.7 cm
Gross Weight	• 3.42 kg

Operating Conditions

Power	• 100-240V AC, 50/60 Hz
	• Power cord length: 1.4 m
Power Consumption	• 400W
Electrostatic Discharge (ESD) Protection	• Contact discharge: ± 6kV
	• Air discharge: ± 8kV
Temperature	• Operating: 0 to 50 °C
	• Storage: -40 to 70 °C
Humidity	• Operating: 10% to 90% (non-condensing)
	• Storage: 5% to 90% (non-condensing)

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Package Contents

Package Contents	• OS2328P/360W Switch
	• Power Cord (1.4 m)
	• Rack-Mount Kit
	• Quick Installation Guide

Order Info

OS2328P/360W	Managed L2 PoE Switch, 24x1000Base-T, 4xCombo 1000Base-T/SFP, PoE up to 250m