



OS2312L

8-Port Gigabit Ethernet Web Smart Switch with 4xGigabit SFP Ports

8x10/100/1000Base-T (RJ-45), 4x100/1000Base-X SFP, 19" rack mounting



OS2312L is a Web smart L2 switch with 8x10/100/1000Base-T ports and 4x100/1000Base-X SFP ports.

The ORIGO OS2312L 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 functions.

The OS2312L supports traffic separation using 802.1Q VLAN, Loopback Detection, Port mirroring, Access Control Lists (ACL), IGMP Snooping, and QoS for prioritization of latency-sensitive traffic.

Key Features

- 8x10/100/1000Base-T ports
- 4x100/1000Base-X SFP ports
- 802.1Q VLAN, QoS, IGMP Snooping
- Loopback Detection
- Access Control Lists (ACL)
- Web management
- Fanless
- 19" rack mountable, the mounting kit is included



Specifications

Hardware

CPU and Memory	• CPU: CTC2118C • SRAM: 192 KB • Flash: 16 MB
Interfaces	• 8x10/100/1000Base-T (RJ-45) ports • 4x1000Base-X SFP ports
Standards and Functions	• IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3ab 1000Base-T • IEEE 802.3u 100Base-FX • IEEE 802.3z 1000Base-X • IEEE 802.3x (Flow Control) • Auto-negotiation of speed and duplex mode • Auto MDI/MDIX on all copper ports
LEDs	• Power - Always bright green – Power on state - Off – Power off state • Link/Act (ports 1 – 12) - Always bright green – Terminal device is connected at 1000 Mbps - Blinking green – Data pass - Always bright orange – Terminal device is connected at 100 Mbps - Blinking orange - Data pass - Off – No connection
Buttons	• Reset
Ventilation	• Fanless
Power	• Power connector (AC)
Housing	• Metal
Mounting	• Desktop • 19" rack

Performance

Switching Capacity	• 24 Gbps
Packet Forwarding Rate	• 17.86 Mpps
Transfer Mode	• Store-and-forward
MAC Address Table	• 8K entries
Packet Buffer	• 384 KB
Jumbo Frame	• 9 600 bytes

Software

L2 Features	• Port mirroring - One-to-One - Many-to-One - Flow-based • Loopback Detection • LLDP • IGMP Snooping - IGMP v1/v2
VLAN	• Port-based VLAN • MAC-based VLAN • 802.1Q tagged VLAN
QoS	• 802.1p • Queue handling - Strict Priority (SP) - Weighted Deficit Round Robin (WDRR) • Supports up to 8 queues per port • CoS based on: - DSCP
Security	• Static MAC addresses • ACL based on: - MAC address - IP address - TCP/UDP port number
Management	• Web-based UI



Physical Parameters

Dimensions (L x W x H)	• 440 x 208 x 44 mm
Weight	• 1.92 kg
Package Dimensions	• 54.5 x 9 x 35 cm
Gross Weight	• 2.66 kg

Operating Conditions

Power Input	• 100-240 V AC, 50/60 Hz • Power cord length: 1.4 m
Temperature	• Operating: 0 to 45 °C • Storage: -40 to 70 °C
Humidity	• Operating: 10% to 90% (non-condensing) • Storage: 5% to 90% (non-condensing)

Package Contents

Package Contents	• OS2312L Switch • Power Cord (1.4 m) • Rack Mount Kit • Quick Installation Guide
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Order Info

OS2312L	Web Smart L2 Switch, 8x1000Base-T, 4x1000Base-X SFP
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