



OS6226

Managed L3 Switch with 24 × 10G SFP+ Ports and 2 × 100G QSFP28 Ports

24x10G SFP+, 2x40G/100G QSFP28, 1xConsole RJ-45, 1x10/100/1000Base-T (OOB), 1xUSB2.0, 19" rack mounting



The ORIGO OS6226 is a high-performance L3 managed switch with 24x10G SFP+ and 2x40G/100G QSFP28.

The ORIGO OS6226 is designed for deployment at the core and aggregation layers of enterprise networks, as well as for high-speed switching in modern data centers.

The ORIGO OS6226 switch supports 1+1 power supply redundancy. One AC power supply module is included by default, with the option to install an additional redundant AC or DC power module. The cooling system consists of two front-to-back fan modules. Intelligent fan control automatically adjusts the fan speed according to temperature, ensuring stable operation of the device even under peak loads.

The ORIGO OS6226 supports L3 routing (RIP, IS-IS, OSPF, and BGP), advanced security features, Quality of Service (QoS), VLAN management. To enhance performance and reliability, the switch supports link aggregation (LACP), link redundancy via STP/RSTP/MSTP and ERPS technology, which provides fast recovery in case of a ring link failure. Management is supported through Command Line Interface (CLI), SNMP, and Web interface.

Key Features

- 24 x 10GBase-X SFP+
- 2 x 40G/100GBase-X QSFP28
- 2 x Front-to-back fan modules
- 1 x AC power module included
- Optional redundant AC or DC power supply module
- L3 routing: RIP, OSPF, BGP
- PIM-SM/DM for multicast traffic routing
- 802.1Q VLAN, Selective Q-in-Q, Multicast VLAN
- 802.1X Authentication, ACL, IP Source Guard
- ERPS, STP/MSTP/RSTP, Loopback Detection for high availability
- Management via web interface, Telnet, SSH, console, and SNMP



Specifications

Hardware

CPU and Memory	<ul style="list-style-type: none">• CPU: ARM A53 1.2 GHz• Switch chip: CTC7132• RAM: 2 GB• Flash: 8 GB, eMMC
Interface	<ul style="list-style-type: none">• 24 x 10GBase-X SFP+• 2 x 40G/100GBase-X QSFP28• USB 2.0 port• Console RJ45 port• 10/100/1000Base-T management port (OOB)
Standards and Functions	<ul style="list-style-type: none">• IEEE 802.3ae 10GBase-X• IEEE 802.3ba 40GBase-X• IEEE 802.3ba 100GBase-X• IEEE 802.3 10Base-T• IEEE 802.3u 100Base-TX• IEEE 802.3ab 1000Base-T
LEDs	<ul style="list-style-type: none">• PW1/PW2<ul style="list-style-type: none">- On: Power on state- Off: Power off state• Link/ACT (Ports 1 – 24)<ul style="list-style-type: none">- Always bright: terminal device is connected- Blinking: Data transmission in progress- Off: No connection• SYS<ul style="list-style-type: none">- Blinking: System operating normally- Off: System is booting or a fault has occurred• FA1/2 (fan module status)• ETH (remote management port status)
Power	<ul style="list-style-type: none">• 2 × Power Supply Slots<ul style="list-style-type: none">- AC: 100 – 240 V, 50/60Hz, 96 W- DC: 36 – 72 V, 96 W• 1+1 Power supply redundancy• Hot-swappable
Ventilation System	<ul style="list-style-type: none">• 2xFan modules
Casing	<ul style="list-style-type: none">• Metal
Mounting	<ul style="list-style-type: none">• 19" rack

Capacity

Switching Capacity	• 880 Gbps
Packet Forwarding Rate	• 540 Mpps
Transfer Mode	• Store-and-Forward
MAC Address Table Size	• 32K entries
Routing Table Size	• 127K entries (IPv4/IPv6)
L3 Forwarding Table	• 136K entries (IPv4/IPv6)
Jumbo Frame	• 9 600 bytes

Software

L2 Features	<ul style="list-style-type: none">• Flow Control• Port mirroring<ul style="list-style-type: none">- One-to-one- Many-to-one- CPU-based- Ingress, egress, both• Link Aggregation<ul style="list-style-type: none">- Static- 802.3ad- Up to 256 groups per device / up to 8 ports per group• Loopback Detection• ERPS• Spanning Tree Protocol<ul style="list-style-type: none">- 802.1D STP- 802.1w RSTP- 802.1s MSTP- Root Guard (Restriction)- BPDU Guard (Restriction)• PVST• Rapid PVST
VLAN	<ul style="list-style-type: none">• 802.1Q, 4094 VLAN• Port-based VLAN• MAC-based VLAN• Subnet-based VLAN• Private VLAN• GVRP

	<ul style="list-style-type: none"> • Double VLAN (Q-in-Q) <ul style="list-style-type: none"> - Selective Q-in-Q - Port-based Q-in-Q • VLAN Trunking • VLAN Translation • Multicast VLAN
L2 Multicast	<ul style="list-style-type: none"> • IGMP Snooping <ul style="list-style-type: none"> - IGMP v1/v2c/v3 - Supports up to 2K groups - IGMP Snooping Fast Leave - IGMP Proxy • MLD Snooping <ul style="list-style-type: none"> - MLD v1/v2 - Supports up to 2K groups • MVR
L3 Features	<ul style="list-style-type: none"> • Maximum number of IP interfaces:1K • 16K ARP entries • Static routing <ul style="list-style-type: none"> - 127K IPv4 routes - 64K IPv6 routes • RIPv1/v2 • RIPng • OSPFv2/v3 • BGPv4/v4+ • Equal-Cost Multi-Path Route (ECMP) • Graceful Restart (GR) for OSPF • BFD (Bidirectional Forwarding Detection) for OSPF • PBR (Policy-based Route) • ARP Proxy • VRRP • IPv6 Neighbor Discovery (ND)
L3 Multicast	<ul style="list-style-type: none"> • PIM-SM • PIM-DM
QoS	<ul style="list-style-type: none"> • 802.1p • Supports up to 8 egress queues per port • CoS based on: <ul style="list-style-type: none"> - DSCP - 802.1p Priority Queues

	<ul style="list-style-type: none">• Queue handling<ul style="list-style-type: none">- Strict Priority (SP)- Weighted Round Robin (WRR)- Strict + WRR
Security	<ul style="list-style-type: none">• Port Isolation• ARP Spoofing Protection<ul style="list-style-type: none">- Max. 1K entries• IP Source Guard• Port Security<ul style="list-style-type: none">- Supports up to 4K MAC addresses per port• IP-MAC-Port Binding (IMPB)• Broadcast / Multicast / Unicast Storm Control• DoS Attack Prevention• DHCP Snooping
AAA	<ul style="list-style-type: none">• 802.1X Authentication:<ul style="list-style-type: none">- MAC-based• RADIUS/TACACS+ Authentication
Access Control Lists (ACL)	<ul style="list-style-type: none">• Up to 8K ACL entries• ACL for L2/L3/L4• Management ACL• Max. ACL Entries:<ul style="list-style-type: none">- Ingress: 4K- Egress: 1.5K• Time-based ACLs• IPv6 Support
OAM	<ul style="list-style-type: none">• 802.3ah Ethernet Link OAM
Management	<ul style="list-style-type: none">• Web-based UI• CLI• Telnet• SSHv2• Zero-Touch Provisioning (ZTP)• FTP• TFTP• System Log• SNMP v1/v2c/v3• RMON• Ping/Traceroute



	<ul style="list-style-type: none">• DHCP- Server• DHCP Relay• DHCP Option 82• sFlow
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Physical Parameters

Dimensions (W × D × H)	<ul style="list-style-type: none">• 440 x 390 x 44 mm
Weight	<ul style="list-style-type: none">• 6.24 kg

Operating Conditions

Power Input	<ul style="list-style-type: none">• AC: 100-240 V, 50/60 Hz• DC: 36-72 V
Power Options	<ul style="list-style-type: none">• AC• DC• AC+DC
Maximum Power Consumption	<ul style="list-style-type: none">• 75 W
Standby Power Consumption	<ul style="list-style-type: none">• 25 W
MTBF (hours)	<ul style="list-style-type: none">• 100 000
Temperature	<ul style="list-style-type: none">• Operating: 0 to 45 °C• Storage: -25 to 70 °C
Humidity	<ul style="list-style-type: none">• Operating: 10% to 90% (non-condensing)• Storage: 5% to 95% (non-condensing)

Package Contents

Package Contents	<ul style="list-style-type: none">• OS6226 Switch• 1 × AC Power Supply (pre-installed in the switch)• 2 × Fan Modules (pre-installed in the switch)• Power Cable• RJ-45 Console Cable• Grounding Wire• 19-inch Rack Mount Kit• Quick Installation Guide
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Order Info

OS6226	Managed L3 Switch, 24x10GBase-X SFP+, 2x100GBase-X QSFP28 <i>Includes 1 × AC Power Supply and 2 × Fan Modules</i>
OS6226/ACPSU	AC Power Supply for OS6226 Switch: 96 W <i>Can operate simultaneously with a DC power supply</i>
OS6226/DCPSU	DC Power Supply for OS6226 Switch: 96 W <i>Can operate simultaneously with an AC power supply</i>