



OI2210

10-Port Industrial Configurable Switch

8x10/100/1000Base-T (RJ-45), 2x100/1000Base-X SFP, -40 to 75 °C, IP40-rated, DIN-rail mountable



The ORIGO OI2210 is an industrial-grade switch with 8x1000Base-T (RJ-45) ports and 2x100/1000Base-X SFP ports, DIP switch, supporting wall or DIN-rail mounting.

The ORIGO OI2210 switch is designed for building gigabit data transmission networks at sites with increased requirements for operating conditions.

The ORIGO OI2210 operates within a wide temperature range from -40°C to 75°C and supports connection of two independent DC power supplies with redundancy, for example OI75WPSU, OI120WPSU, or OI240WPSU. The switch is resistant to vibration and electrostatic discharges up to 8 kV. A rugged IP40-rated metal housing and reliable fanless design ensure stable operation in harsh industrial environments.

For video surveillance systems, VLAN and CCTV modes are implemented, allowing traffic isolation of connected devices and extending data transmission distance up to 250 m. Operating modes are hardware-configurable via DIP switch.

Key Features

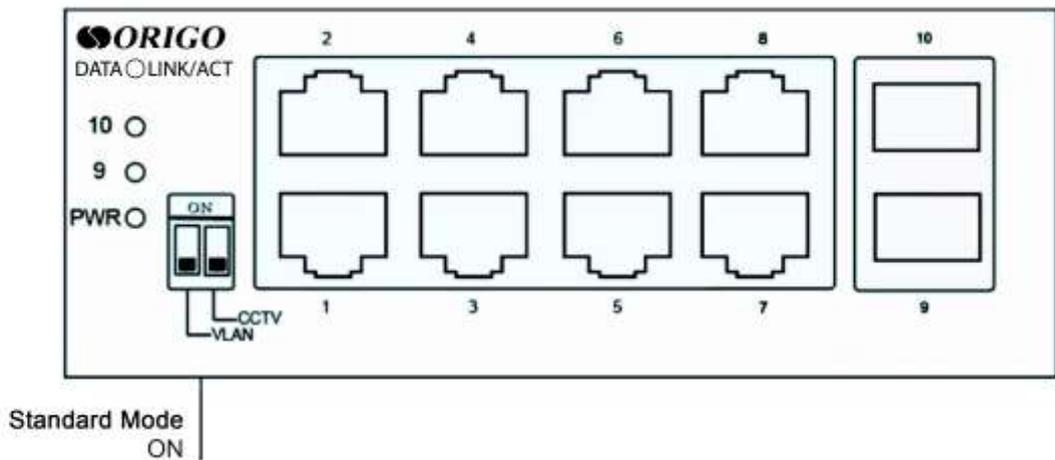
- 8x10/100/1000 Base-T ports
- 2x100/1000 Base-X SFP ports
- Dual power input for redundant power supplies (12-55V DC)
- Relay output for power failure alarm (dry contact)
- -40 to 75 °C operating temperature range
- ±4KV Surge Protection / ±8KV Electrostatic Standard
- CCTV Mode to enhance the distance of data transmission up to 250m
- VLAN Mode to improve network security
- Mode configuration via DIP switch
- No fans, stable performance, IP40-rated metal casing
- DIN rail mountable



DIP Switch Operating Modes

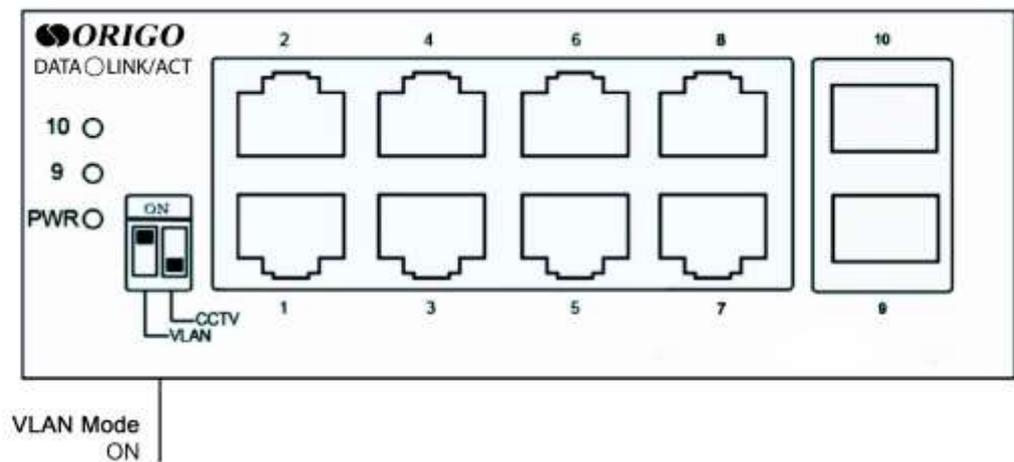
VLAN – OFF, CCTV – OFF

Traffic can be transmitted between each port of the switch, the ports acting like a common switch ports.



VLAN – ON, CCTV – OFF

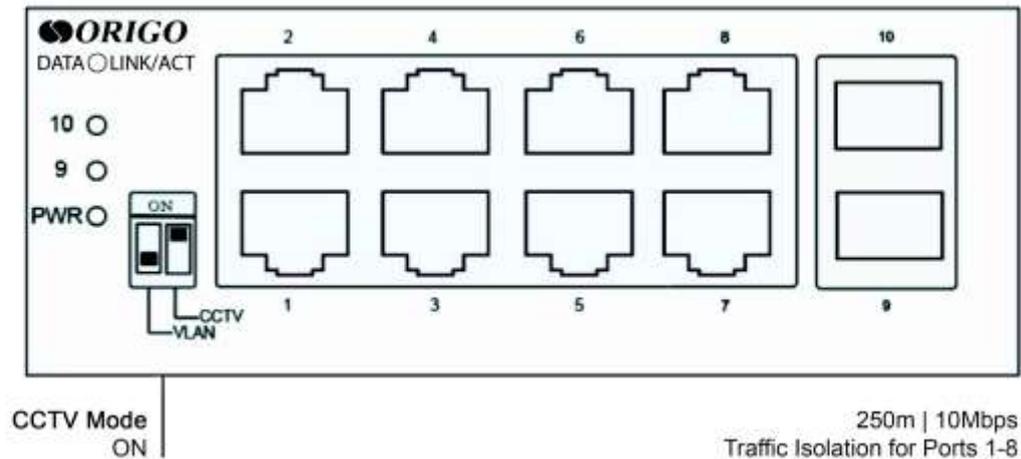
Traffic cannot be transmitted between ports 1-8, but each of these ports can exchange traffic with ports 9-10.





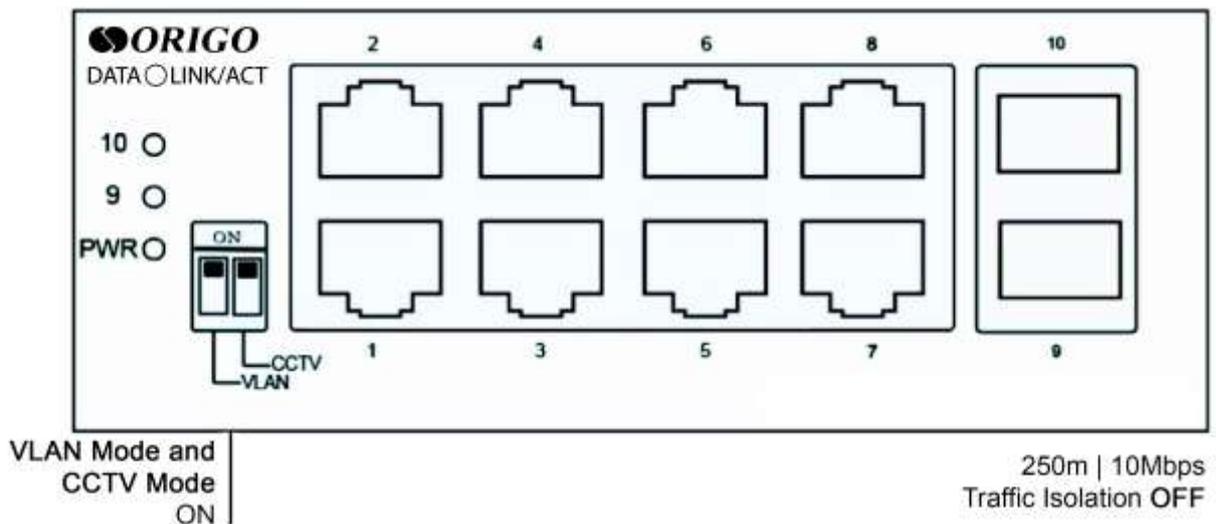
VLAN – OFF, CCTV – ON

Data transmission rate for ports 1-8 cannot exceed 10Mbps, while data and power supply transmission distance increased up to 250m. Traffic cannot be transmitted between ports 1-8, but each of these ports can exchange traffic with ports 9-10.



VLAN – ON, CCTV – ON

Data transmission rate for ports 1-8 cannot exceed 10Mbps, while data and power supply transmission distance increased up to 250m. Traffic can be transmitted between each port of the switch, the ports acting like a common switch ports.





Product Specifications

Hardware Specifications

CPU and Memory	<ul style="list-style-type: none">• CPU: RTL8370MBI• RAM: 128 MB• Flash: 32 MB
Interfaces	<ul style="list-style-type: none">• 8x10/100/1000Base-T ports• 2x100/1000Base-X SFP ports
Standards and Functions	<ul style="list-style-type: none">• 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 (Full Duplex Flow Control)• IEEE 802.3az Energy-Efficient Ethernet• Auto MDI/MDIX for RJ45 ports
LEDs	<ul style="list-style-type: none">• Power<ul style="list-style-type: none">- On – power on state- Off – power off state• Link/Act (port 1 – 10)<ul style="list-style-type: none">- Always bright – terminal device is connected- Flicker – data pass- Off – no connection
DIP Switches	<ul style="list-style-type: none">• Standard Mode (VLAN OFF, CCTV OFF)<ul style="list-style-type: none">- Data and power supply transmission distance: up to 100m- Data transmission rate: 10/100/1000Mbps• VLAN ON, CCTV OFF<ul style="list-style-type: none">- Traffic isolation for ports 1-8- Data transmission distance – up to 100 m- Data transmission rate – 10/100/1000 Mbps• VLAN OFF, CCTV ON<ul style="list-style-type: none">- Data and power supply transmission distance: up to 250m- Data transmission rate: 10Mbps- Traffic isolation for ports 1-8• VLAN ON + CCTV ON<ul style="list-style-type: none">- Data and power supply transmission distance: up to 250m



	<ul style="list-style-type: none">- Data transmission rate: 10Mbps- Traffic isolation off
Alarm Relay	<ul style="list-style-type: none">• 1 relay-controlled output (dry contact) to give warning of a power supply failure• Relay contact load capacity:<ul style="list-style-type: none">- 2A at 30V DC- 0.5A at 125V DC
Power	<ul style="list-style-type: none">• DC: terminal block to connect up to two independent power supplies (12 to 55V DC)
Ventilation System	<ul style="list-style-type: none">• Fanless
Casing	<ul style="list-style-type: none">• Metal• IP40
Mounting	<ul style="list-style-type: none">• Wall• DIN-rail

Capacity

Switching Capacity	<ul style="list-style-type: none">• 20 Gbps
Packet Forwarding Rate	<ul style="list-style-type: none">• 14.88 Mpps
Transfer Mode	<ul style="list-style-type: none">• Store-and-forward
MAC Address Table	<ul style="list-style-type: none">• 4K
Packet Buffer	<ul style="list-style-type: none">• 192 Kb
Jumbo Frame	<ul style="list-style-type: none">• 9 216 bytes

Physical Parameters

Dimensions (W × D × H)	<ul style="list-style-type: none">• 110 x 90 x 46 mm
Weight	<ul style="list-style-type: none">• 0.46 kg
Package Size	<ul style="list-style-type: none">• 23.4 x 19 x 8.6 cm
Gross Weight	<ul style="list-style-type: none">• 0.64 kg

Operating Conditions

Power Input	<ul style="list-style-type: none">• 12-55V DC
Current Consumption	<ul style="list-style-type: none">• 0.55 A (Max.)



Maximum Power Consumption	<ul style="list-style-type: none">• 5.7W
Standby Power Consumption	<ul style="list-style-type: none">• 0.97W
MTBF (hours)	<ul style="list-style-type: none">• >100 000
Surge Protection	<ul style="list-style-type: none">• Common mode $\pm 4\text{KV}$• Differential mode $\pm 2\text{KV}$
Electrostatic Discharge (ESD) Protection	<ul style="list-style-type: none">• Contact $\pm 6\text{KV}$• Air $\pm 8\text{KV}$
Temperature	<ul style="list-style-type: none">• Operating: -40 to 75 °C• Storage: -40 to 80 °C
Humidity	<ul style="list-style-type: none">• Operating: 5% to 95% non-condensing• Storage: 0% to 95% non-condensing

Package Contents

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Order Info

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