ORIGO

OS2218FP/200W

18-Port Gigabit Configurable PoE Switch

16x1000Base-T PoE+ (30 W), 2x1000Base-X SFP, 250 W PoE budget, PoE up to 250 m, DIP Switch, 19" rack mounting

The OS2218FP/200W is a gigabit configurable switch with 16x10/100/1000Base-T PoE+ ports, 2x1000Base-X SFP ports and a DIP Switch.

The ORIGO OS2218FP/200W 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 1-16 support 802.3af/at PoE standards, providing up to 30 W for each port and a total PoE budget of 250 W. Electrostatic protection provides the resistance of PoE ports to induced voltage and prevents a failure of the switch and connected equipment.

VLAN Mode and CCTV Mode allow to isolate traffic on PoE ports and to increase power supply and data transmission up to 250 m. Operating modes are hardware-configurable via DIP switch.

The OS2218FP/200W switch is housed in a metal casing with the possibility of 19" rack mounting. Mounting kit is included in the package.
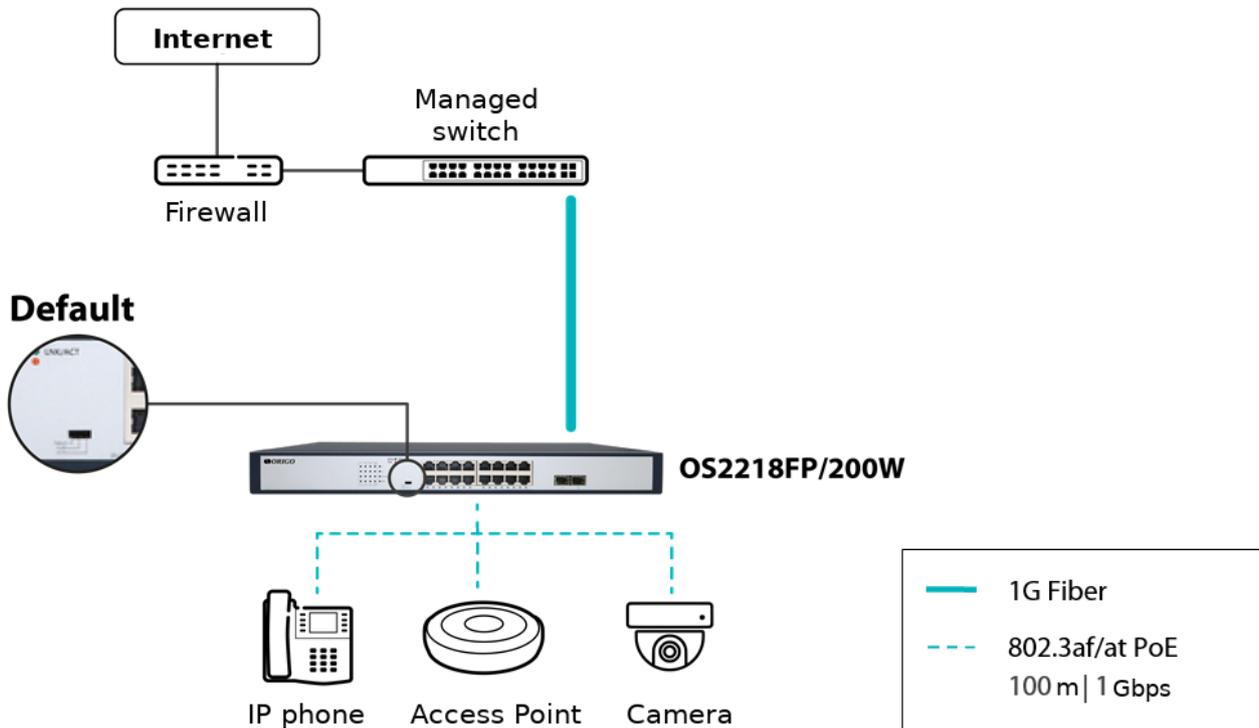
Key Features

- 16x10/100/1000Base-T 802.3af/at PoE ports
- 2x1000Base-X SFP ports
- Total PoE power budget: 250 W
- CCTV Mode to increase power supply and data transmission up to 250 m
- VLAN Mode for PoE ports isolation
- Mode configuration via DIP switch
- ±4KV Surge Protection / ±8KV Electrostatic Standard
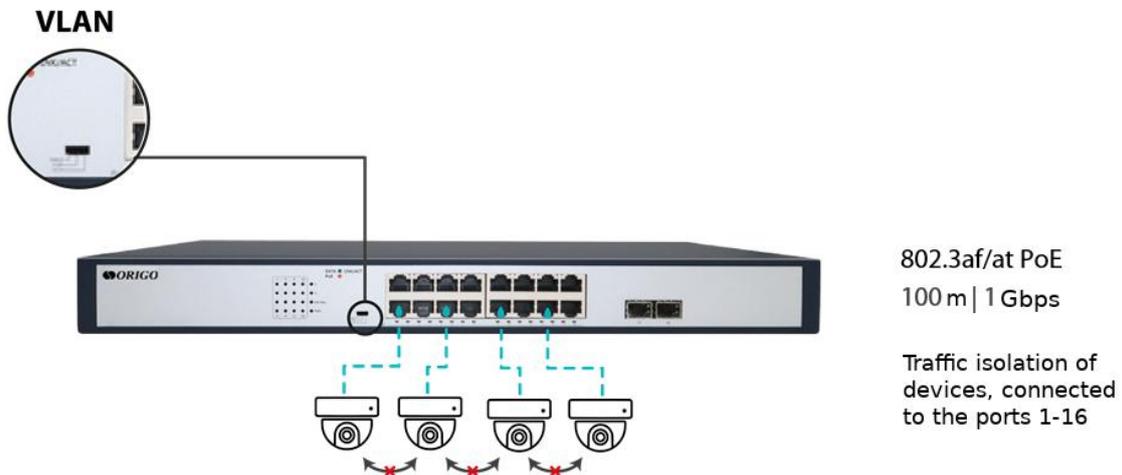- 19" rack mounting

DIP Switch Operating Modes

Standard Mode (Default)

The ports 1 – 16 provide power and data transmission over a distance of up to 100 m at a rate of up to 1000 Mbps. The traffic can be transmitted between all ports, and they act as the ports of standard switch.
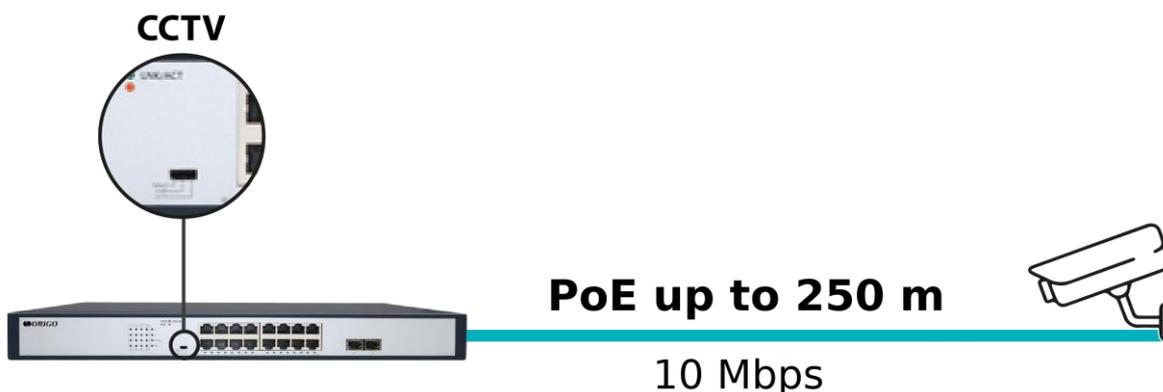

VLAN Mode

Traffic cannot be transmitted between ports 1 – 16, but each of these ports can exchange traffic with ports 17 – 18.

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CCTV Mode

The ports 1 – 16 provide power and data transmission over a distance of up to 250 m at a rate of up to 10 Mbps. The traffic can be transmitted between all ports, and they act as the ports of standard switch.

Specifications

Hardware

Chipset	• RTL8238B
Interfaces	• 16x10/100/1000Base-T (RJ-45) PoE ports • 2x1000Base-X ports
Standards and Functions	• 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 802.3x (Flow Control) • IEEE 802.3az (Energy Efficient Ethernet) • Auto-negotiation of speed and duplex mode • Auto MDI/MDIX for copper ports
LEDs	• Power - On – power on state - Off – power off state • Link/Act - Always bright – terminal device is connected - Flicker – data pass - Off – no connection • PoE (port 1 – 16) - On – PoE device is connected

	- Flicker – connection failure
	- Off – PoE device is not connected
DIP Switches	• Standard Mode (Default)
	- PoE up to 100 m
	- Data transmission rate – 10/100/1000 Mbps
	• VLAN Mode
	- Traffic isolation on the ports 1 – 16
	• CCTV Mode
	- PoE up to 250 m
	- Data transmission rate – 10 Mbps
Ventilation	• 1 fan
Power	• Power input (AC)
Case	• Metal
Mounting	• Desktop
	• 19'' rack

Capacity

Switching Capacity	• 36 Gbps
Packet Forwarding Rate	• 14.88 Mpps
Transfer Mode	• Store-and-forward
MAC Address Table	• 8K entries

PoE

PoE Standard	• IEEE 802.3af
	• IEEE 802.3at
PoE Ports	• 1 – 16
Max. Power Consumption per Port	• 30 W
PoE Power Budget	• 250 W
PoE Mode	• Type A

Physical Parameters

Dimensions (L x W x H)	• 440 x 207 x 44 mm
Weight	• 2.46 kg

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Package Size	• 49.5 x 31.5 x 7.2 cm
Gross Weight	• 3 kg

Operating Conditions

Power	• 100-240 V AC, 50/60 Hz
Surge Protection	• Common mode ±4KV • Differential mode ±2KV
Electrostatic Standard	• Contact ±6KV • Air ±8KV
Temperature	• Operating: 0 to 40 °C • Storage: -40 to 70 °C
Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 90% non-condensing

Package Contents

Package Contents	• OS2218FP/200W Switch • Power Cord • 19'' Rack Mounting Kit • Screws • Rubber Feet • Quick Installation Guide

Order Info

OS2218FP/200W	Configurable PoE Switch, 16x1000Base-T, 2x1000Base-X SFP, PoE up to 250 m