



# OS2210FP/120W

## 10-Port Gigabit PoE Switch

8x10/100/1000Base-T PoE+ (30W), 2x1000Base-X SFP, 120 W PoE budget, PoE up to 250 m, 19" rack mounting



The OS2210FP/120W is a gigabit switch with 8x10/100/1000Base-T PoE+ ports and 2x1000Base-X SFP ports.

The ORIGO OS2210FP/120W switch is recommended for building and modernization 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.

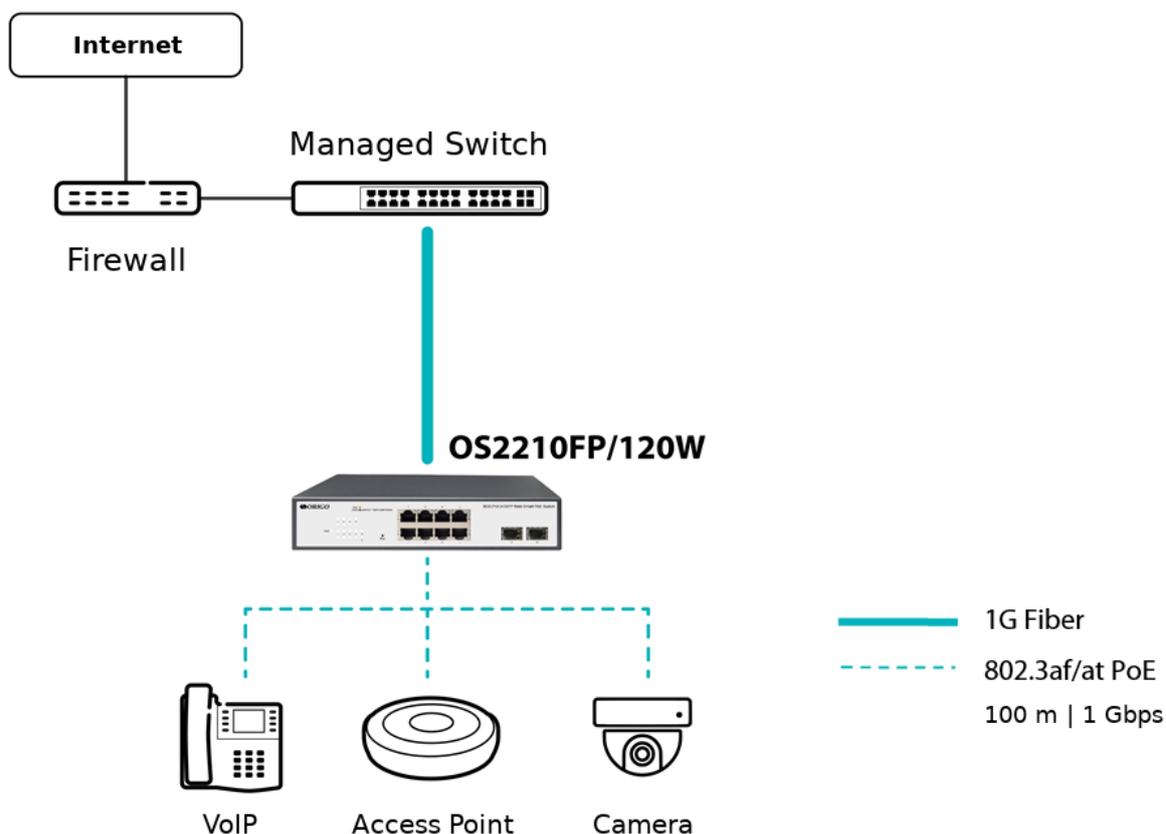
The ports 1-8 support 802.3af/at PoE standards, providing up to 30 W for each port and a total PoE budget of 120 W. The Extend PoE mode allows to overcome the standard Ethernet limit of 100 m and connect IP cameras at a distance of up to 250 m at speeds up to 10 Mbit/s, simplifying installation and reducing costs when building CCTV networks. Built-in ESD protection meets industry surge standards, guarding the switch and connected devices from damage and network instability caused by ESD and lightning-induced surges.

The OS2210FP/120W switch is housed in a metal casing. The device can be mounted to the wall or into a 19" rack, a rack mounting kit is supplied.

### Key Features

- 8x10/100/1000Base-T 802.3af/at PoE ports
- 2x1000Base-X SFP ports
- Total PoE power budget: 120 W
- Extended PoE range up to 250m for CCTV
- ±4KV Surge Protection / ±8KV Electrostatic Standard
- Wall / 19" rack mounting
- No setting required

## Application Pattern



## Specifications

### Hardware

Chipset	<ul style="list-style-type: none"> <li>• RTL8380M</li> </ul>
Interfaces	<ul style="list-style-type: none"> <li>• 8x10/100/1000Base-T (RJ-45) PoE ports</li> <li>• 2x1000Base-X SFP ports</li> </ul>
Standards and Functions	<ul style="list-style-type: none"> <li>• IEEE 802.3 10Base-T</li> <li>• IEEE 802.3u 100Base-TX</li> <li>• IEEE 802.3ab 1000Base-T</li> <li>• IEEE 802.3z 1000Base-X</li> <li>• IEEE 802.3af PoE</li> <li>• IEEE 802.3at PoE</li> <li>• IEEE 802.3x (Flow Control)</li> <li>• Auto MDI/MDIX</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power <ul style="list-style-type: none"> <li>- On – power on state</li> <li>- Off – power off state</li> </ul> </li> </ul>



	<ul style="list-style-type: none"><li>• Link/Act<ul style="list-style-type: none"><li>- Always bright – terminal device is connected</li><li>- Flicker – data pass</li><li>- Off – no connection</li></ul></li><li>• PoE (port 1 – 8)<ul style="list-style-type: none"><li>- On – PoE device is connected</li><li>- Off – PoE device is not connected</li></ul></li></ul>
Power	<ul style="list-style-type: none"><li>• Power input (AC)</li></ul>
Ventilation	<ul style="list-style-type: none"><li>• 1 fan</li></ul>
Case	<ul style="list-style-type: none"><li>• Metal</li></ul>
Mounting	<ul style="list-style-type: none"><li>• Desktop</li><li>• Wall</li><li>• 19" rack</li></ul>

### Capacity

Switching Capacity	<ul style="list-style-type: none"><li>• 20 Gbps</li></ul>
Transfer Mode	<ul style="list-style-type: none"><li>• Store-and-forward</li></ul>
MAC Address Table	<ul style="list-style-type: none"><li>• 8K entries</li></ul>
Packet Forwarding Rate	<ul style="list-style-type: none"><li>• 14.88 Mpps</li></ul>
Packet Buffer	<ul style="list-style-type: none"><li>• 512 Kb</li></ul>
Jumbo Frame	<ul style="list-style-type: none"><li>• 9 216 bytes</li></ul>

### PoE

PoE Standard	<ul style="list-style-type: none"><li>• IEEE 802.3af</li><li>• IEEE 802.3at</li></ul>
PoE Ports	<ul style="list-style-type: none"><li>• 1-8</li></ul>
Max. Power Consumption per Port	<ul style="list-style-type: none"><li>• 30 W</li></ul>
PoE Power Budget	<ul style="list-style-type: none"><li>• 120 W</li></ul>
PoE Mode	<ul style="list-style-type: none"><li>• Type A</li></ul>
PoE Distance	<ul style="list-style-type: none"><li>• 100 m<ul style="list-style-type: none"><li>- Data rate – up to 1000 Mbps</li></ul></li></ul>



	<ul style="list-style-type: none"><li>• 250 m<sup>1</sup></li><li>- Data rate – up to 10 Mbps</li></ul>
--	---

### Physical Parameters

Dimensions (L x W x H)	<ul style="list-style-type: none"><li>• 220 x 150 x 44 mm</li></ul>
Weight	<ul style="list-style-type: none"><li>• 1.24 kg</li></ul>
Package Size	<ul style="list-style-type: none"><li>• 31 x 20 x 8 cm</li></ul>
Gross Weight	<ul style="list-style-type: none"><li>• 1.76 kg</li></ul>

### Operating Conditions

Power	<ul style="list-style-type: none"><li>• 100-240 V AC, 50/60 Hz</li></ul>
Surge Protection	<ul style="list-style-type: none"><li>• Common mode ±4KV</li><li>• Differential mode ±2KV</li></ul>
Electrostatic Standard	<ul style="list-style-type: none"><li>• Contact ±6KV</li><li>• Air ±8KV</li></ul>
MTBF (hours)	<ul style="list-style-type: none"><li>• &gt;50 000</li></ul>
Temperature	<ul style="list-style-type: none"><li>• Operating: 0 to 40 °C</li><li>• Storage: -40 to 70 °C</li></ul>
Humidity	<ul style="list-style-type: none"><li>• Operating: 10% to 90% non-condensing</li><li>• Storage: 5% to 90% non-condensing</li></ul>

### Package Contents

Package Contents	<ul style="list-style-type: none"><li>• OS2210FP/120W Switch</li><li>• Power Cord</li><li>• 19" Rack Mounting Kit</li><li>• Screws</li><li>• Rubber Feet</li><li>• Quick Installation Guide</li></ul>
------------------	---

### Order Info

OS2210FP/120W	PoE Switch, 8x1000Base-T, 2x1000Base-X SFP, PoE up to 250m
---------------	--

<sup>1</sup>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.