

# SW-505-8P-F

Luxul's 8 PoE+ port switch includes 2 non-powered ethernet ports, 2 SFP uplink ports, 130W total power budget, and layer 2 and 3 functionality optimized for AV over IP applications.

## OVERVIEW

Designed to support AV-over-IP (AVoIP) applications, the SW-505-8P-F includes eight 1-Gigabit PoE+ Ethernet ports, two non-PoE Ethernet Ports, and two 1-Gigabit SFP expansion ports.

The 8 PoE+ ports deliver both gigabit data and power over a single cable to 802.11af/at-compliant devices, with a maximum of 30W per port. For separately powered devices, these ports deliver network connectivity only. The total power budget is 130W for all PoE+ ports combined.

The advanced Layer 2/Layer 3 features and easy-to-use management interface simplify configuration and make this switch ideal for use in single-switch AVoIP environments. Setup of IGMP/Multicast on a per-port basis is easy, improving the setup and reliability of running audio and video over the network simultaneously. This model also features a small form factor and fanless design that is perfect for bedrooms, conference rooms, offices, theaters, or wherever silent operation is needed.



## FEATURES

### CONFIGURATION

- Refreshed, simplified user interface
- Layer 2+ and Layer 3 static routing
- Multicast/IGMP snooping and querying feature
- Per port unregistered flooding
- 24Gbps switching capacity
- Dante and AES67 compatibility
- AV-over-IP compatible
- Easy port aggregation
- 802.1Q VLAN and QoS support including DCSP

### POWER

- 130W total power budget
- 8 PoE+ powered capable ports (IEEE 802.3at)
- PoE Monitoring: Auto-Recovery and Power Scheduling
- PoE stays active with soft reboot (when configured)
- Dynamic PoE allocation

### INSTALLATION

- Compact 8.75 in chassis (standard 19" rack mount rack ears included)
- Front-facing ports
- Fanless design reduces noise
- Integrated port activity LEDs for easier diagnostics
- 3-year warranty
- Free lifetime phone support

## PRODUCT INFORMATION

PART #	DESCRIPTION
SW-505-8P-F	8 PoE+   2 RJ45   2 SFP Ports - Gigabit L2/L3 Managed Switch

# SW-505-8P-F

## SPECIFICATIONS

HARDWARE FEATURES	
PROTOCOLS AND STANDARDS	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af/ at, IEEE 802.3x, IEEE 802.3ad, IEEE 802.3az, IEEE 802.1ab, IEEE 802.1d, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.1X
FORWARDING CAPACITY	82 Mpps (64 byte packets)
SWITCHING CAPACITY	24Gbps
MAC TABLE	Up to 8K (32768) MAC addresses
JUMBO FRAMES	Frame sizes up to 9216 Bytes
INTERFACE OPTIONS	RJ45: 10BASE-T, 100BASE-T, 1000BASE-T SFP: up to 1Gbps
POE MONITORING	Auto-Recovery, Power Scheduling, PoE stays active with soft reboot
VLAN	802.1Q max 4094 VIDs & VLAN Trunking Supports 1 Management VLAN
SURGE PROTECTION	RJ-45 port surge protection tested to 6KV per EN61000-4-5
QUALITY OF SERVICE (QoS)	8 Hardware Queues Queue Scheduling: Strict Priority and Weighted Round Robin (WRR) VLAN priority based Layer 2 CoS QoS Port based Layer 3 DSCP QoS Port based bandwidth control
NETWORK DATA TRANSFER RATE	Ethernet: 10Mbps (Half-duplex), 20Mbps (Full-duplex) Fast Ethernet: 100Mbps (Half-duplex), 200Mbps (Full-duplex) Gigabit Ethernet: 1000Mbps (Half-duplex), 2000Mbps (Full-duplex) SFP: 1Gbps
MULTICAST SUPPORT	IGMP Snooping, Querier, Per Port Unregistered Flooding, Snooping and Querier available on each VLAN, Port statistics allow users to troubleshoot IGMP
LED	Per Unit: System, Link/Act or PoE status Per Port: Link/Activity and POE
PORT COUNT	8 PoE/PoE+, 2 non-powered Ethernet, 2 SFP 1Gb ports
POWER BUDGET	130W, Configurable as statically assigned or dynamically allocated Up to 30W per port
MAX POWER CONSUMPTION	152W @ 100VAC, 147W @ 240VAC
POWER SUPPLY	Internal Switched Power, AC 100-240V, 50-60Hz input
OPERATING TEMPERATURE	32°F to 104°F (0°C to 40°C)
OPERATING HUMIDITY	10% to 90% (Non-condensing)
DIMENSIONS LxWxH IN. (MM)	8.6"x9.52"x1.75" (220 x 242 x 44mm)
WEIGHT LBS (KG)	6.5 lbs (2.9 kg)
CERTIFICATIONS	FCC Part 15 Class A, IC, CE-EMC, CE-LVD, CB(IEC 62368-1), RCM, VCCI, RoHS, UL, cUL, TAA, NDAA, UKCA

## ADDITIONAL INFORMATION

### PACKAGE CONTENTS

- Managed PoE+ Switch
- Rack Mounting Ears
- Rubber Feet
- Power Cord

### FREE DESIGN SERVICE

Go to [legrandav.com/CAP](https://legrandav.com/CAP) to access free design consultancy from Luxul network experts.

### ORDERING INFORMATION

REGION	PART NUMBER
North America	SW-505-8P-F
Australia	SW-505-8P-F-A
Europe	SW-505-8P-F-E
UK	SW-505-8P-F-U

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