

# SW-505-24P-F

24 PoE+ Ports and 2 Gigabit RJ45/SFP Combo Ports with 370W of Total Power Budget, and Layer 2 and Layer 3 Functionality Optimized for AV over IP Applications.

## OVERVIEW

Designed to support AV-over-IP (AVoIP) applications, the SW-505-24P-F includes 24 1-Gigabit PoE+ Ethernet ports and two combo unpowered ethernet ports and two Gigabit SFP expansion ports (unpowered ethernet ports and SFP ports cannot be used at the same time). Two or more SFP ports can be aggregated for a connection speed of up to 2 Gb.

The 24 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 370W for all PoE+ ports combined.

The advanced Layer 2/Layer 3 features a refreshed easy-to-use management interface to simplify configuration and make this switch ideal for use in single-switch AV-over-IP 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.

## FEATURES

### CONFIGURATION

- Refreshed, simplified user interface
- Supports inbound (ingress) ACL filtering
- Layer 2+ and Layer 3 static routing
- Multicast/IGMP snooping and querying feature
- Per port unregistered flooding
- 52Gbps switching capacity
- Dante and AES67 compatibility
- AV-over-IP compatible
- Easy port aggregation: 10G SFP+ ports are aggregable up to 40 Gbps
- 802.1Q VLAN and QoS support including DCSP

### POWER

- 370W total power budget
- 24 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

- Standard 19-inch rack mount
- Front-facing, selectable blue or green LEDs
- Front-facing ports
- Low noise, variable speed fans
- Integrated port activity LEDs for easier diagnostics
- Luxul ProWatch support
- 3-year warranty
- Free lifetime phone support



## PRODUCT INFORMATION

PART #	DESCRIPTION
SW-505-24P-F	24 PoE+   2 Combo RJ45/SFP Ports - 1 Gigabit L2/L3 Managed Switch

# SW-505-24P-F

## SPECIFICATIONS

HARDWARE FEATURES	
<b>PROTOCOLS AND STANDARDS</b>	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
<b>FORWARDING CAPACITY</b>	38.69 Mpps (64 byte packets)
<b>SWITCHING CAPACITY</b>	52Gbps
<b>MAC TABLE</b>	Up to 8K (32768) MAC addresses
<b>JUMBO FRAMES</b>	Frame sizes up to 9216 Bytes
<b>INTERFACE OPTIONS</b>	RJ45: 10BASE-T, 100BASE-T, 1000BASE-T SFP: up to 1Gbps
<b>PoE MONITORING</b>	Auto-Recovery, Power Scheduling, PoE stays active with soft reboot
<b>VLAN</b>	802.1Q max 4094 VLANs & VLAN Trunking Supports 1 Management VLAN
<b>SURGE PROTECTION</b>	RJ-45 port surge protection tested to 6KV per EN61000-4-5
<b>QUALITY OF SERVICE (QoS)</b>	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 ACL Ingress Filtering
<b>NETWORK DATA TRANSFER RATE</b>	Ethernet: 10Mbps (Half-duplex), 20Mbps (Full-duplex) Fast Ethernet: 100Mbps (Half-duplex), 200Mbps (Full-duplex) Gigabit Ethernet: 1000Mbps (Half-duplex), 2000Mbps (Full-duplex) SFP: 1 Gbps
<b>MULTICAST SUPPORT</b>	IGMP Snooping, Querier, Per Port Unregistered Flooding, Snooping and Querier available on each VLAN, Port statistics allow users to troubleshoot IGMP, ACL Ingress Filtering of Multicast Traffic
<b>LED</b>	Per Unit: System, Link/Act or PoE status Per Port: Link/Activity and PoE
<b>PORT COUNT</b>	24 PoE+, 2 Combo RJ45/SFP 1Gb ports
<b>POWER BUDGET</b>	370W, Configurable as statically assigned or dynamically allocated Up to 30W per port
<b>MAX POWER CONSUMPTION</b>	428W @ 100VAC, 414W @ 240VAC
<b>POWER SUPPLY</b>	Internal Switched Power, AC 100-240V, 50-60Hz input
<b>OPERATING TEMPERATURE</b>	32 F to 104 F (0 C to 40 C)
<b>OPERATING HUMIDITY</b>	10% to 90% (Non-condensing)
<b>DIMENSIONS LxWxH IN. (MM)</b>	17.4"x8.3"x1.75" (442 x 211 x 44mm)
<b>WEIGHT LBS (KG)</b>	6.6 (3.0)
<b>CERTIFICATIONS</b>	FCC Part 15 Class A, IC, CE-EMC, CE-LVD, CB(IEC 62368-1), RCM, VCCI, RoHS, UL, cUL, TAA, NDA, UKCA

## ADDITIONAL INFORMATION

### FREE DESIGN SERVICE

Go to [legrandav.com/cap](https://www.legrandav.com/cap) to access free design services from Luxul network experts

### PACKAGE CONTENTS

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

### ORDERING INFORMATION

REGION	PART NUMBER
North America	SW-505-24P-F
Australia	SW-505-24P-F-A
Europe	SW-505-24P-F-E
UK	SW-505-24P-F-U

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