

# SW-505-16P-R

16 PoE+ Ports and 2 Gigabit RJ45/SFP Combo Ports with 185W 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-505-16P-R includes 16 1-Gigabit PoE+ Ethernet ports, two non-powered Ethernet ports, and two 1-Gigabit SFP expansion ports (SFP and non-powered ethernet ports cannot be used at the same time). Both 1 Gb SFP ports can be aggregated for a connection speed of up to 2 Gb.

The 16 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 185W 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 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.



## 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
- 36Gbps switching capacity
- Dante and AES67 compatibility
- AV-over-IP compatible
- Easy port aggregation: 1 Gbps SFP ports are aggregable up to 4 Gbps
- 802.1Q VLAN and QoS support including DCSP

### POWER

- 185W total power budget
- 16 PoE+ powered capable ports
- 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
- Rear-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-505-16P-R	16 PoE+   4 Combo RJ45/SFP Ports - 1 Gigabit L2/L3 Managed Switch

# SW-505-16P-R

## 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>	26.785 Mpps (64 byte packets)
<b>SWITCHING CAPACITY</b>	36Gbps
<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
<b>LED</b>	Per Unit: System, Link/Act or PoE status Per Port: Link/Activity and POE
<b>PORT COUNT</b>	16 PoE+, 2 Combo RJ45/SFP 1Gb ports
<b>POWER BUDGET</b>	185W, Configurable as statically assigned or dynamically allocated Up to 30W per port
<b>MAX POWER CONSUMPTION</b>	218W @ 100VAC, 212W @ 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>	6.25 (2.84)
<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

### PACKAGE CONTENTS

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

### ORDERING INFORMATION

REGION	PART NUMBER
North America	SW-505-16P-R
Australia	SW-505-16P-R-A
Europe	SW-505-16P-R-E
UK	SW-505-16P-R-U

### FREE DESIGN SERVICE

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

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