

# 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 2 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+   2 Combo RJ45/SFP Ports - 2 Gigabit L2/L3 Managed Switch

# SW-505-16P-R

## 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	26.785 Mpps (64 byte packets)
SWITCHING CAPACITY	36Gbps
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 VLANs & 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 ACL Ingress Filtering
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: 1 Gbps
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	16 PoE+, 2 Combo RJ45/SFP 1Gb ports
POWER BUDGET	185W, Configurable as statically assigned or dynamically allocated Up to 30W per port
MAX POWER CONSUMPTION	218W @ 100VAC, 212W @ 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)	17.4"x8.3"x1.75" (442 x 211 x 44mm)
WEIGHT LBS (KG)	6.25 (2.84)
CERTIFICATIONS	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

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