LUXUL®
A brand of legrand®

SW-510-48P-F
DATASHEET

ProWatch™
-INTEGRATED-

48 PoE+ Ports (740W Power Budget)
Layer 2 and Layer 3 Functionality
Optimized for AV Over IP Applications

The Luxul 48-Port Gigabit PoE+ L2/L3 Managed Switch (SW-510-48P-F) is an excellent choice for expanding your network when using PoE-enabled devices such as Touch Panels, IP cameras and Wireless Access Points. The 48-port Gigabit switch includes 48 Gigabit PoE+ Ethernet ports and four Gigabit SFP expansion ports. SFP ports can be aggregated for up to a 4Gb connection. With PoE+ you can use standard Ethernet cable to deliver both power and high speed data to 802.3af/at-compliant devices, with a total power budget of 740 Watts. The advanced Layer 2/Layer 3 features and simple-to-use management interface allows easy configuration to meet the needs of simple to sophisticated systems.

Features

48 GIGABIT 802.3AF/AT PoE+ PORTS (740W POWER BUDGET)

CONFIGURATION
- Luxul ProWatch Integrated
- Four Gigabit SFP ports
- Layer 2+ and L3 Static Route Support
- 802.1Q VLAN (with Trunking)
- QoS Support
- Plug-and-Play Installation with Intuitive Management

POWER
- Simple Power Management of PoE-Enabled Devices (740W Power Budget)
- PoE Self-Healing
- PoE stays active with soft reboot

INSTALLATION
- Standard 1U 19" Rack- Mount Enclosure
- Low Noise Variable Speed Fans
- Three Year Limited Warranty

Ordering Information

48-Port Gigabit PoE+ L2/L3 Managed Switch	North America SW-510-48P-F	Australia SW-510-48P-F-A	Europe SW-510-48P-F-E	UK SW-510-48P-F-U

SW-510-48P-F
Technical Specifications

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	77.3Mpps (64 byte packets)
Switching Capacity	104Gbps
MAC Table	Up to 32K (32768) MAC addresses
Jumbo Frames	Frame sizes up to 10240 Bytes
Interface Options	RJ45: 10BASE-T 100BASE-TX 1000BASE-T SFP: up to 1Gbps
VLAN	802.1Q max 4095 VIDs & VLAN Trunking Supports 1 Management VLAN
Surge Protection	The RJ45 port surge protection is tested to: EN61000-4-5 (for RJ45 Port, Surge 6KV)
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) Ethernet: 20Mbps (Full-duplex) Fast Ethernet: 100Mbps (Half-duplex) Fast Ethernet: 200Mbps (Full-duplex) Gigabit Ethernet: 1000Mbps (Half-duplex) Gigabit Ethernet: 2000Mbps (Full-duplex)
LED	Per Unit: System, Link/Act or PoE status Per Port: Link/Activity and POE
Power Budget	740W
Max Power Consumption	899W @ 100VAC, 869W @ 240VAC
Power Supply	Internal Switched Power, AC 100-240V, 50-60Hz input
Operating Temperature	32°F to 122°F (0°C to 50°C)
Operating Humidity	10% to 90% (Non-condensing)
Dimensions LxWxH in. (mm)	17.4"x14.75"x1.75" (442 x 375 x 44mm)
Weight lbs (kg)	12.4 (5.62)
Certifications	FCC Part 15 Class A, IC, CE-EMC, CE-LVD, CB(IEC 62368-1:2014), RCM, VCCI, RoHS