



**L3 | Web, Console | POE | 48 1G Copper Ports | 6 10G SFP+ Port**

## PRODUCT OVERVIEW

The **RS-L3-48TPS-6X** Series is a state-of-the-art enterprise-grade managed Lite Layer 3 stackable switch meticulously designed to address the complex demands of next-generation networking. This series is powered by advanced hardware architecture that delivers an impressive 216 Gbps high throughput, ensuring reliable and efficient operations across diverse network environments. The RS-L3-48TPS-6X Series integrates sophisticated features such as 48 GE PoE ports and 6 x 10G SFP+ ports, providing administrators with unparalleled flexibility and performance optimization.

The switch's robust feature set includes a substantial 740W PoE power budget, comprehensive management options (Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON, NTP, TFTP, SFTP), and advanced routing capabilities (Static route, RIP, OSPF, IPv4/v6 dual stack). These are complemented by powerful security measures, including port isolation, "IP+MAC+port" binding, and protection against various attacks. The switch also offers high reliability through features like VRRP, link aggregation, and stacking support for up to 16 units.

The RS-L3-48TPS-6X exemplifies our dedication to innovative design, offering a solution that not only meets current networking needs but is also poised to adapt to future challenges. This series is not just a switch; it is a versatile networking solution that bridges the gap between enterprise-grade performance and advanced functionality, enabling businesses to tackle complex networking demands with confidence and precision. With its ability to function effectively at any network layer, the RS-L3-48TPS-6X represents the pinnacle of flexible, high-performance networking, ready to elevate your infrastructure to new heights of efficiency and capability.



## Key Features

- Enterprise grade Managed Lite layer 3 - Stackable Switch with 48 GE PoE Ports and 6 x 10G SFP+ Ports Delivering 216 Gbps High Throughput.
- Port: Equipped with 48 GE PoE ports and 6 x 10G SFP+ ports, this switch ensures robust connectivity and flexibility for various network setups.
- High Throughput: Delivers an impressive 216 Gbps throughput, supporting high-performance networking demands.
- **PoE Power Budget:** Capable of providing up to 740W, this switch can power a wide range of PoE-enabled devices, ensuring efficient energy distribution.
- **Management:** Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON, NTP, TFTP, SFTP.
- **Routing:** Static route, RIP, OSPF, IPv4/v6 dual stack.
- **Security:** Port isolation, port security, and "IP+MAC+port" binding, MAC sticky, DAI & IP source guard, PPPoE, L2/L3/L4 ACL flow identification and filtration, protection against DDoS attacks, TCP SYN Flood, UDP Flood, etc.
- **Reliability:** VRRP, static/LACP link aggregation, stacking up to 16 units.

## Specifications:

INTERFACE	48 GE TX 6 10GE/GE SFP+
CONSOLE(RJ45)	1
BACKPLANE(Gbps)	216
FORWARDING RATE (Mpps WITH 64 BYTES)	162
CHASSIS	
DIMENSIONS (WXDXH)(MM)	440X300X44
WEIGHT(KG)(EMPTY)	5.2
PACKAGE	
DIMENSIONS (WXDXH)(MM)	576X448X94
WEIGHT(KG)	6.1
POWER CONSUMPTION	
NO-LOAD	< 25W
FULL LOAD	<48W(WITHOUT POE)

POWER SUPPLY	
AC: 100V-240V, 50/60Hz	450W AC AND 800W DC
POE POWER BUDGET	370W AC OR 740W DC
TOTAL OUTPUT BTU (1000BTU/H=293W)	1535.84@AC, 2730.38@DC
FAN NUMBER	2
NOISE@25°C(dBA)	45
MTBF(H)	> 200,000
FORWARDING MODE	Store - Forward
FLASH (MB)	16
DRAM (MB)	512
MAC	16K
BUFFER SIZE(MB)	1.5
JUMBO FRAME	9K
Interface VLAN	64
Routing table	512

## Product Features

<b>VLAN</b>
4K Active VLAN, QinQ & Selective
QinQ, GVRP, Private VLAN, Voice VLAN, BVSS
<b>Spanning Tree</b>
802.1D (STP)
802.1W (RSTP) and 802.1S (MSTP) - 32 Instances MSTP
BPDU guard, root guard and loopback Guard
<b>Multicast</b>
IGMP v1/v2/v3
IGMP Snooping
IGMP Fast Leave
MVR, IGMP filter
<b>IP</b>
Static route
RIP, OSPF
IPv4/v6 dual stack
<b>IPv6</b>
<ul style="list-style-type: none"> <li>ICMPv6, DHCPv6, ACLv6 and IPv6</li> <li>Telnet</li> <li>IPv6 neighbor discovery, Path</li> <li>MTU discovery</li> <li>MLD V1, MLD snooping</li> <li>IPv6 Static Routing, RIPv6, OSPFv3</li> <li>Manual tunnel, ISATAP tunnel, 6 to 4 tunnel</li> </ul>
<b>QoS</b>
CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/COS/DSCP/TOS based QoS
802.1P/DSCP priority re-labeling, SP, WRR, and "SP+WRR", Tail-Drop
WRED, flow monitoring and traffic shaping

<b>Security</b>
Port isolation, Port security, and "IP+MAC+port" binding,
MAC Sticky DHCP Snooping and option 82, DAI & IP source guard, PPPoE+
IEEE 802.1x, Radius and Tacacs+ L2/L3/L4 ACL flow identification and filtrationAnti-attack from
DDoS, TCP's SYN Flood, UDP Flood, Broadcast/multicast/unknown unicast storm-control
MD5, SHA-256, RSA-1024, AES256,
<b>Reliability</b>
Static/LACP link aggregation, Interface backup
ISSU uninterrupted system upgrade BVSS, ups to 16-Units per stack
VRRP
ULDL
ISSU
<b>DHCP</b>
DHCP server/relay/client.
DHCP snooping/option82
<b>Management</b>
Console, Telnet, SSH v1/2, HTTP
HTTPS,SNMP v1/v2/v3, RMON
TFTP, FTP, SFTP
NTP, SPAN, RSPAN
ZTP(Zero Touch Provisioning)
Dying gasp*
<b>Environment</b>
Operating temperature/humidity: 0°C -50°C, 10%-90% non-condensing
Storage temperature/humidity: -20°C -70°C, 5%-95% noncondensing
<b>Accessories</b>
Power cord, rackmount kits, console cable

## Warranty and Support

Essential	Premium
Available for 3 years	Available for 1,3,5 years
Tech Support for 90 Days	Advanced Replacement and NBD Shipping Available
	24*7 Email Tech Support

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