

IL-S4800XF-2AC

48 PORT 10 GIGABIT SFP+ MANAGED CORE SWITCH

PRODUCT OVERVIEW

The IronLink® IL-S4800XF-2AC is a high-performance 48-port 10GbE managed core switch designed to handle demanding network environments. With 100GbE uplinks, redundant power supplies, and advanced networking features, it ensures high availability, seamless scalability, and efficient traffic management. Ideal for multi-server deployments and edge aggregation, this switch delivers exceptional reliability, security, and speed, making it a powerful solution for enterprise and data center applications.

KEY FEATURES



(48) SFP+ 10GbE Ports



(4) QSPF28 100/40GbE Ports



(2) 40GbE QSFP+ Ports



Redundant Power Supplies



Link Aggregation



Failover Port Links



Complies with CE & FCC



5-Year Limited Hardware Warranty



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48 PORT 10 GIGABIT SFP+ MANAGED CORE SWITCH

Interface:	(48) 10GE/GE SFP+ ports, (4) 100GE/40GE QSFP28 ports, (2) 40GE QSFP+ ports
Console:	1 RJ45 console, 1 MGMT
Backplane:	1920 Gbps
Forwarding Rate:	1440 Mpps
Dimensions (WxDxH):	17.4" x 15.9" x 1.7" (442 mm x 404 mm x 44 mm)
Power Consumption:	102 – 147W
Power Supply:	(2) AC: 100V–240V,50Hz±10%
Total Output:	501.71 BTU
Fans:	4
MTBF:	>200,000 H
Forwarding Mode:	Store-Forward
Flash:	64 MB
DRAM:	1024 MB
MAC:	64K
Power Status Monitoring:	Supported
Jumbo Frame:	16K
Routing Table:	IPv4: 16K IPv6: 8K
ARP Table:	IPv4: 16K IPv6: 2K

VLAN:

4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN

Spanning Tree:

- 802.1D (STP)
- 802.1W (RSTP) and 802.1S (MSTP)

IPv4:

- Static routing, RIP v1/v2
- OSPF, BGP, PBR, ECMP
- BFD for OSPF, BGP

IPv6:

- ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
- IPv6 neighbor discovery, Path MTU discovery
- MLD V1/V2, MLD snooping
- IPv6 Static Routing, RIPng, OSPFv3, BGP4+
- Manual, ISATAP, IPv6 to IPv4 tunnel

Multicast:

- PIM-SM, PIM-DM,
- IGMP v1/v2/v3
- IGMP Snooping
- IGMP Fast Leave
- MVR, IGMP filter

QoS:

- 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

Security:

- Port isolation, Port security, and "IP+MAC+port" binding, MAC Binding
- IEEE 802.1x, Radius and BD Tacacs+ L2/L3/L4 ACL flow identification & filtration
- DDoS, TCP's SYN Flood, UDP Flood, etc. Broadcast/multicast/unknown
- Unicast storm-control
- MD5, SHA-256, RSA-1024, AES256

Reliability:

- Static/LACP link aggregation
- Interface backup
- BVSS virtual-stacking
- EAPS and ERPS
- URPF, LLDPISU
- VRRP
- 1+1 power backup
- Hot patch

MPLS:

Multi-VRF

Environment:

- Max Temp: 32°F – 122°F (0°C – 50°C)
- Max Humidity: 10% – 90% (non-condensing)

Management:

- Console, Telnet, SSH v1/2, HTTP, HTTPS
- SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP, SPAN, RSPAN
- Syslog
- LLDP

Certifications:

CE, FCC, ROHS

IEEE Standard Compliant:

- IEEE 802.1D MAC Bridges
- IEEE Std 802.3 CSMA/CD
- IEEE Std 802.3ae 10GE WEN/LAN Standard
- IEEE Std 802.3x Full Duplex
- IEEE 802.1ax/IEEE 802.3ad Link

Aggregation:

- IEEE 802.1ab Link Layer Discovery Protocol
- IEEE Std 802.3ad Multiple Link Segments