

## Multiservice Edge Aggregation Switch

(24) 100/1000Base-X SFP Slots + (4) 10GBase-X SFP+ Slots



The LIB-4424 Series is a multiservice edge aggregator that provides SLA-assurance and advanced MEF Compliant fault management. IEEE 802.1ag Service OAM, ITU Y.1731 Performance Monitoring and IEEE 802.3ah Link OAM.

The LIB-4424 Series supports advance features such as IPv6 and IPv4, VLANs, QoS, bandwidth allocation, ring protection, jumbo frames and numerous security features.

### Features

- Twin fan design
- SNMP v1, v2c, and v3
- IPv6 and IPv4 support
- VLAN (IEEE 802.1Q) Q-in-Q (C-Tag/S-Tag)
- RMON and Syslog
- OAM Support: IEEE 802.3ah Link OAM. IEEE 802.1ag
- Service OAM and ITU-T Y.1731 Performance Monitoring
- IETF RFC 2544 and ITU-T Y.1564 Traffic Generation and Reports
- Protection: ITU-T G.8032/G.8031 IEEE RSTP, MSTP
- IEEE 1588v2
- Jumbo Frame Support (10K)
- Wire speed loopbacks
- IGMP Snooping

### Applications

- MEF Compliant
- Mobile Backhaul
- Business Ethernet
- Fiber to the Premise (FTTP)
- SLA Enforcement Performance Statistics
- QoS for Differentiated Services
- Small Cell / DAS
- Cloud Services

### Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ab IEEE 802.3x IEEE 802.3ad IEEE 802.1p IEEE 802.1Q IEEE 802.1w IEEE 802.1s IEEE 802.1x IEEE 802.1AB IEEE 802.3ah IEEE 802.1ag IEEE 1588-2008 (v2) (ptp) RFC 2544 / ITU-T Y.1564 ITU-T Y.1731 ITU-T G.8032/G.8031
Ports	(24) 100/1000Mbps Base-X slots (empty) (4) 10Gbps SFP slots (1) RJ-45 console port (1) management port Any port can be network (NNI) or client (UNI)
Dimensions	Width: 17.4" [442 mm] Depth: 9.65" [245 mm] Height: 1.71" [43.5 mm]
Power Input	Hot Swappable Power Supplies: 100 - 240VAC; 47-63Hz auto-sensing or -18VDC to -75VDC
Power Consumption	75 Watts (max)
Environment	Operating: 0°C to +55°C Humidity: 10% to 90% (non-condensing)
Weight	3.92 lbs. [1.78 kg]
Certifications	Safety: UL Listed, CE, EN55022 Class A, IEC60950-1:2002, AS/NZS3260:1993, AS/NZS60950:2000, ACA TS001:1997; Regulatory: FCC Class A; CE Mark; CB Scheme Certified, MET Mark, EN60950-1:2006 + A1:2010 + A12:2011, EN55022:2010, EN55024:2010
Warranty	1 Year

#### Power Cord Included

To order the corresponding country specific power supply, add the extension from the list below to the end of the SKU;

Ex: LIB-4424-80500-NA

#### -NA = Country Code

- NA = North America, -LA = Latin America, -EU = Europe
- UK = United Kingdom, -SA = South Africa, -JP = Japan
- OZ = Australia, -BR = Brazil

### Ordering Information

#### LIB-4424-2AC

(24) 100/1000Base-X SFP slots (empty)  
+ (4) 10G-X SFP+ slots (empty)  
with (2) AC power supplies  
(19" rack mount ears included)

#### LIB-4424-80510

(24) 100/1000Base-X SFP slots (empty)  
+ (4) 10G-X SFP+ slots (empty)  
with (2) DC power supplies  
(19" rack mount ears included)

#### LIB-4424-80520

(24) 100/1000Base-X SFP slots (empty)  
+ (4) 10G-X SFP+ slots (empty)  
with (1) AC + (1) DC power supply  
(19" rack mount ears included)

#### Optional Accessories (sold separately)

##### SFP Modules

#### LIB-FAN44

Removable Fan Tray

#### LIB-PSU44AC

AC Power Supply for LIB-4424

#### LIB-PSU44DC

DC Power Supply for LIB-4424

### Software Features

- E-LINE (EPL and EVPL) E-LAN (EP-LAN and EVP-LAN) E-ACCESS (ACCESS EPL and EVPL) E-TREE (EP-TREE and EVP-TREE)
- UNI or NNI configuration
- TOS/Diffserv
- Quality of Service (IEEE 802.1p): 8 queues; strict priority and WRR, shaping, policing, P-bit and DSCP
- Management via CLI, Web, SSH/SSL and SNMP (V1, V2, & V3)
- Port configuration, status, statistics and monitoring
- RADIUS, TACACS+ and ACL
- Remote backup/restore configuration
- Remote firmware upgrades
- Alarms via Syslog & SNMP
- Remote loopbacks
- L2CP
- LLDP
- Diagnostic Monitoring Interface - SFF-8472
- Dying/Last Gasp
- Port Mirroring
- Link Aggregation Control Protocol (LACP)