LB9

48 10Base-T/100Base-TX/1000Base-T
4 dual speed 1GbE/10GbE SFP+ ports

APLICATIONS

- **Enterprise campus networks** requiring high-density Gigabit access
- **Top-of-rack deployments** in data centers
- **Aggregation switches** connecting high-performance servers
- **Networks requiring advanced IPv4/IPv6 routing and multicast support**
- **Environments needing high availability**, redundancy, and low latency
- **Organizations requiring simple management** via CLI, web GUI, and SNMP

FEATURES

Management & Simplicity
- Industry-standard CLI for easy operation
- Web-based GUI for user-friendly configuration
- SNMP (standard + private MIB) for remote monitoring
- IPv6-integrated management

High Availability
- 1+1 hot-swappable power supplies
- Out-of-band management
- Spanning Tree Protocols: 802.1D, 802.1w, 802.1s
- Link aggregation: up to 8 ports per LAG, 64 groups (LACP)
- Up to 32-path ECMP for load balancing and redundancy
- VRRP support for router redundancy

Performance
- 176 Gbps switching capacity
- 131 Mpps forwarding rate
- 48 Gigabit ports + 4× 1/10GbE SFP+ uplinks
- Front-to-back or back-to-front airflow options
- Low power consumption
- Near 1:1 uplink subscription ratio with 10GbE ports

Advanced Routing
- IPv4/IPv6 Layer 3 routing
- RIP v1/v2, OSPF, ECMP
- RIPng, OSPFv3 for IPv6
- Multicast: IGMP v1/v2/v3, DVMRP, PIM-DM/SM, MLD v1/v2, PIM-DM6/SM6

DESCRIPTION

The XenOpt LB9 is a high-performance Layer 2/3/4 Ethernet switch featuring 48× 10/100/1000Base-T ports and 4× dual-speed 1GbE/10GbE SFP+ uplink ports in a compact 1U design. It delivers strong switching capacity, advanced IPv4/IPv6 routing, and efficient management through CLI, Web GUI, and SNMP, making it suitable for modern enterprise networks.

ORDERING INFORMATION

PN	Description
X1LB9BZZ0000	Switch, 1U, 48G+4x10G SFP+, (standard L2/L3 FW), dual PSU, Air Flow Direction Front to Back
X1LB9BZZ0001	Switch, 1U, 48G+4x10G SFP+, (standard L2/L3 FW), dual PSU, Air Flow Direction Back to Front
X1LB9BZZ0STQ	Switch, 1U, 48G+4x10G SFP+, (HW only), dual PSU, Air Flow Direction Front to Back
X1LB9BZZ0STR	Switch, 1U, 48G+4x10G SFP+, (HW only), dual PSU, Air Flow Direction Back to Front
X1LB9BZZ0STQC	Switch, 1U, 48G+4x10G SFP+, (Cumulus FW2), dual PSU, Air Flow Direction Front to Back
X1LB9BZZ0STRC	Switch, 1U, 48G+4x10G SFP+, (Cumulus FW2), dual PSU, Air Flow Direction Back to Front
Cable	
XCD-SSFNNgg	Cable, 10GbE, Direct attach, Copper, SFP+ to SFP+, length: gg = {01 - 1m; 02 - 2m; 03 - 3m; 04 - 4m; 05 - 5m}
XCE-SSFNNgg	Cable, 10GbE, Direct Attach, Optic, SFP+ to SFP+, lengths 1–10m, 20m, 50m, 100m
Pluggables	
XSM311-02LY	SFP, multimode, 1310nm, 1Gbps, 2km, LC, with DDMI (0 ± 70OC)
XSM851-M5LY	SFP, multimode, 850nm, 1Gbps, 500m, LC, with DDMI (0 ± 70OC)
XSSdd1-ffLh	SFP, singlemode, dd = {31 - 1310nm; 55 - 1550nm}, 1Gbps,ff = {20 - 20km; 40 - 40km; 80 - 80km; C0 - 120km; G0 - 160km; I0 - 180km; K0 - 200km} , LC, h = {N - no DDMI; Y - DDMI (0 ± 70OC)}
XSBdd1-ffgh	SFP, bidirectional, dd = {27 - 1270nm; 29 - 1290nm; … ; 61 - 1610nm}, 1Gbps, ff = {20 - 20km; 40 - 40km; 80 - 80km; C0 - 120km}, g = {L - LC, S - SC}, h = {N - no DDMI; Y - DDMI (0 ± 70OC)}
XSCdd1-ffLh	SFP, CWDM, 1Gbps, dd = {lower WL: 27 - 1270nm; … 45 - 1450nm / upper WL: 47 - 1470nm; … ; 61 - 1610nm}, ff = {40 - 40km; 80 - 80km; C0 - 120km; G0 - 160km; I0 - 180km; K0 - 200km}, LC, h = {N - no DDMI; Y - DDMI (0 ± 70OC)}
XSddd1-ffLY	SFP, DWDM C-BAND, dd = {17 - 61 ITU grid channel}, 1Gbps, ff = {80 - 80km; C0 - 120km}, LC, with DDMI (0 ± 70OC)
XTM854-M3LY	SFP+, multimode, 850nm, 10Gbps, 300m (OM3), LC, with DDMI (0 ± 70OC)
XTS31A-ffLY	SFP+, singlemode, 1310nm, 10Gbps, ff = {02 - 2km; 10 - 10km; 20 - 20km; 40 - 40km}, LC, with DDMI (0 ± 70OC)
XTS55A-ffLY	SFP+, singlemode, 1550nm, 10Gbps, ff = {40 - 40km; 80 - 80km; A0 - 100km}, LC, with DDMI (0 ± 70OC)
XTBddA-ffLY	FP+, bidirectional, dd = {27 - 1270nm; 32 - 1330nm; }, 10Gbps, ff = {10 - 10km; 20 - 20km; 40 - 40km; 60 - 60km}, LC, with DDMI (0 ± 70OC)
TCddA-ffLY	SFP+, CWDM, dd = {27 - 1270nm; 29 - 1290nm; … ; 61 - 1610nm}, 10Gbps, ff = {10 - 10km; 40 - 40km; 80 - 70/80km}, LC, with DDMI (0 ± 70OC)
XTDddA--ffLY	SFP+, DWDM C-BAND, dd = {17 - 61 ITU grid channel}, 10Gbps, ff = {40 - 40km; 80 - 80km*}, LC, with DDMI (0 ± 70OC)
XTDTCA--ffLY	SFP+, DWDM C-BAND, Tunable,10Gbps, ff = {40 - 40km; 80 - 80km}, LC, with DDMI (0 ± 70OC)
XTLTLA--ffLY	SFP+, DWDM L-BAND, Tunable, 10Gbps, ff = {40 - 40km; 80 - 80km}, LC, with DDMI (0 ± 70OC)

For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice. XenOpt does not guarantee errorless or outdated information.

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