

PRODUCT OVERVIEW

Tailor-made network hardware & software development



LN-4832Z4T

Highlights

- ▶ Powered by the Marvell Teralynx7® Chipset with 12.8 Tbps Switching Bandwidth
- ▶ Features 32x QSFP56-DD Ports Supporting 400GbE, with Flexible Breakout Options (2x 200G, 4x 100G, 4x 25G)
- ▶ Includes Teralynx Flashlight™ Telemetry for Deep, Real-Time Network Monitoring
- ▶ Supports High Radix (up to 512)
- ▶ Marvell ROS Support
- ▶ SONiC OS Support



HARDWARE SPECIFICATIONS

Switching Hardware

Switching Ports 400G QSFP-DD	32
Switching Chip	Marvell Teralynx7 IVM77700
CPU	Intel Denverton COMe Type 7 Module
Capacity	12.8 Tbps
Memory	32GB with ECC support
VLANs Support	4096
Maximum Jumbo Frame Size	9,216 bytes

Management Port

USB	1
Serial Console	1
Management Port	1

Physical and Environmental

Power Supply Units	AC CRPS 1300W, Hot-Swappable, 1+1 Redundancy
Power Consumption	≤1200 Watts
Fan Unit	6 (5+1 redundant) Hot swappable
Form Factor and Dimension	445×515×44mm (WxDxH)
Net Weight (kg)	9.6 Kgs
Operating Temperature	0°C ~ 45°C
Storage Temperature	-40°C ~ 70°C
Relative Humidity	5%-95% (non-condensing)
Operating Altitude	3000m max
Predicted MTBF	350000 hours

Safety

Safety	UL (CSA 22.2 No 62368-1 & UL 62368-1)
Certification	

EMC

EMC	EN 55032 Class A
Certification	AS/NZS CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Class A, VCCI-CISPR32, ICES-003

SONIC OS SOFTWARE FEATURES

L1

Port statistics	Port Speed
Autonegotiation	

L2

VLAN (802.1Q)	MLAG / MC-LAG
FDB	LACP (802.3ad)
MAC Learning	Jumbo Frames
LLDP	

L3

IPv4 Routing	IPv6 Routing
Static Routing	ECMP
WCMP	BGP
BGPv6	BGP EVPN
IS-IS	VRF
UDF	BFD
PBR	VRRP

Interfaces

SVI	Port Channel
L3 Sub-interface	

Overlay

VXLAN	EVPN-VXLAN
Distributed Routing	VTEP

Fabric

Graceful Restart

QoS

QoS Queues	ECN
PFC	WRED
TC to DSCP mapping	Buffer Management
Ports and CPU queues statistics	Queue watermark support
Policer	

Hash

Support 7 tuples of packet outer header (IPv4 and IPv6)



SONIC OS SOFTWARE FEATURES

AI/HPC

RoCEv2	PFC Watchdog
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Multicast

IGMP Snooping	PIM (SM/DM)
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Security

BUM Storm Control	VLAN Flood Control
ACL (L2/L3/L4)	CoPP

Telemetry

SNMP	gNMI / gRPC
sFlow	Syslog

Management

CLI	REST API
YANG	ZTP
Config DB	SPAN
ERSPAN-II	

HA

ISSU	Warm reboot
Fast reboot	

Hardware

Buffer tuning	Dynamic Port breakout
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ORDERING INFORMATION

Model

Description

LN-4832Z4T

32x QSFP56-DD ports

