

**LN-3524Y-6Z** is High performance, multi service aggregation, fabrics or TOR (Top-of-Rack) switch for telco access, security and cloud, with 6 x 100G/40G (QSFP28) + 24 x 10G/1G (SFP+) interfaces.



## Product Highlights

- 1RU, 19-inch rack mountable design
- Cut-through with ultra-low-latency
- 24 x 10 Gbps (SFP+) ports and 6 x 100 Gbps (QSFP28) ports
- Up to 840 Gbps of switching performance
- Open automated configuration and zero-touch provisioning capabilities
- Simplify management of network environments
- Interface flexibility
- Power efficiency

LN-3524Y-6Z switch is an advanced best-in-class, open-source network platform that line-rate L2/ L3 up to 840 Gbps switching performance of Marvell Prestera is paired with multi service feature. It is well suited for enterprise access/aggregation, high bandwidth interconnection for video distribution and security. It can also be used as the cost effective ToR switch for private cloud.

LN-3524Y-6Z is Compact 1RU standard based open architecture, with redundant power supply & redundant fan modules.

The LN-3524Y-6Z switch can be deployed as a top-of-rack (ToR) or leaf switch supporting 10GbE to servers with 100GbE uplinks, each 100G QSFP28 port can be configured 40G as well as 4x 25GbE or 4x 10GbE via breakout cables.



# HARDWARE SPECIFICATION

Function/parameter

24x10G+6x100G

<b>Switching Performance</b>	<b>Switch ASIC</b>	Marvell Prestera DX8548
	<b>Ports</b>	6 x 100G/40G (QSFP28) + 24 x 10G/1G (SFP+)
	<b>Capacity</b>	840 Gbps
	<b>Forwarding Rate</b>	1640.6 Mpps (64-byte packets)
	<b>Packet Buffer</b>	6MB
<b>CPU</b>	<b>CPU</b>	Marvell OcteonTX2 CN9130
	<b>Memory</b>	4GB DDR4
	<b>SSD</b>	32GB eMMC, Optional M.2 SATA slot
<b>Management Port</b>	<b>USB</b>	1 x USB2.0
	<b>Serial Console</b>	1 x RJ45
	<b>Management Port</b>	1 x RJ45 Ethernet 1GBase-T management port
<b>Power</b>	<b>PSU Input</b>	110V~240V(AC, 50/60Hz), 36V~72V(DC)
	<b>PSU Output</b>	200W/200W (AC/DC)
	<b>Max. Power Consumption</b>	130W
<b>Physical and Environmental</b>	<b>Dimensions</b>	HxWxD 440/44/470 mm
	<b>Rack Space</b>	1RU
	<b>Fan</b>	2+1, hot pluggable
	<b>PSU</b>	1+1 hot pluggable
	<b>Operating Temperature</b>	0°C to 45°C
	<b>Operating Humidity</b>	5% to 90% (non-condensing)
<b>Warranty</b>	<b>Warranty</b>	1 year
<b>Approvals</b>	<b>Certificate</b>	CCC/CE

# Marvell ROS SOFTWARE FEATURES

CLI  
MAC-Based VLANs  
Voice VLAN  
Multicast TV VLAN  
Triple Play, MVR  
Q-in-Q, Selective Q-in-Q  
Multicast Bridging Mode  
Static Multicast Groups  
IGMP Snooping  
MLD Snooping  
Flooding of Unregistered Multicast Frames  
Per-device Spanning Tree  
Rapid Spanning Tree  
Multiple Spanning Tree  
STP Root Guard  
BPDU Filtering  
STP BPDU Guard  
Per-device Loopback Detection (LBD)  
LACP  
LAG Balancing  
Static and Dynamics (DHCP/BootP) IP assignment  
DNS Client  
IPv6 Host  
Dual Stack. IPv4, IPv6 supported  
L3 routing: static, RIP, OSPF

ISATAP Tunneling  
MAC-based Port Security (Locked Port)  
802.1x Port-Based Authentication  
Time Based 802.1x  
Guest VLAN  
Unauthenticated VLANs  
802.1x - MAC Authentication  
Action-on-Violation  
Flow Monitoring (sFlow)  
RADIUS Remote Authorization and Authentication  
RADIUS Accounting  
TACACS+  
SNMP v1, v2, v3  
RMON  
DHCP Snooping  
IP Source Address Guard  
ARP Inspection  
DoS Attack Prevention  
Telnet  
SSH  
QoS Across the Stack  
QoS statistics  
Egress Rate Limiting (Shaping)  
Ingress Rate Limiting  
Packet Storm Control  
Dynamic VLAN Assignment

