



# 10-GIGABIT MANAGED SWITCH LN-3516Y-2Z

10-Gigabit Managed Switches is an ideal Combination of Features and Affordability. To stay ahead in a competitive marketplace, small businesses need to make every dollar count.



## Product Highlights

- 1RU, 19-inch rack mountable design
- Cut-through with ultra-low-latency
- 16 x 10 Gbps ports and 6 x 100 Gbps 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

That means getting the most value from your technology investments, but it also means making sure that employees have fast, reliable access to the business tools and information they need. Every minute an employee waits for an unresponsive application – and every minute your network is down – has an impact on your bottom line. The importance of maintaining a strong and dependable business network only grows as your business adds more employees, applications, and network complexity.

Switches are designed for Carrier/Enterprise Aggregation and small Data Center Top of Rack. 10-Gigabit Managed Switches are the ideal solution for traditional three tier Aggregation or Core and folded Clos architectures, serving with a 2:1 oversubscription. The switches are packed with features that bring high availability, comprehensive security, robust multicast

control, and advance QoS to network aggregation, while maintaining simple management. The switch also supports the most advance IPv6 management, IPv6 security, and IPv6 multicast control in accordance with the growth of IPv6 deployment.



# HARDWARE SPECIFICATION

Function/parameter

16x10G +2x100G

<b>Switching Performance</b>	<b>Switch ASIC</b>	Marvell Prestera DX8548
	<b>Ports</b>	2 x100G + 16 x 10G
	<b>Capacity</b>	840 Gbps
	<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), 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

MAC-Based VLANs	ISATAP Tunneling
Voice VLAN	MAC-based Port Security (Locked Port)
Multicast TV VLAN	802.1x Port-Based Authentication
Triple Play, MVR	Time Based 802.1x
Q-in-Q, Selective Q-in-Q	Guest VLAN
Multicast Bridging Mode	Unauthenticated VLANs
Static Multicast Groups	802.1x - MAC Authentication
IGMP Snooping	Action-on-Violation
MLD Snooping	Flow Monitoring (sFlow)
Flooding of Unregistered Multicast Frames	RADIUS Remote Authorization and Authentication
Per-device Spanning Tree	RADIUS Accounting
Rapid Spanning Tree	TACACS+
Multiple Spanning Tree	DHCP Snooping
STP Root Guard	IP Source Address Guard
BPDU Filtering	ARP Inspection
STP BPDU Guard	DoS Attack Prevention
Per-device Loopback Detection (LBD)	SSL
LACP	SSH
LAG Balancing	QoS Across the Stack
Static and Dynamics (DHCP/BootP) IP assignment	QoS statistics
DNS Client	Egress Rate Limiting (Shaping)
IPv6 Host	Ingress Rate Limiting
Dual Stack	Packet Storm Control
	Dynamic VLAN Assignment