



**48-PORTS**

**MANAGED SWITCHES**

**LN-2348G-4XGF**

**LN-2348GP-4XGF**

**LN-2348GMP-4XGF**

To stay ahead in a competitive marketplace, small businesses need to make every dollar count. 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.



## Product Highlights

- Power Budget fully supports for all IEEE 802.3af port usage
- Efficient Ethernet (Energy Efficient Ethernet)
- Intuitive Web-Based GUI
- Metal Case

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.

This switch series is the latest generation of Web-Smart switch, these switches are purposely designed and optimized for network performance, operational cost, ease of

management and reliability for small and medium business (SMB) market. New generation of Switch series provide 48 port configurations with high performance, various management tools, and rich and powerful L2 features including Power over Ethernet (PoE), and this series is also an ideal access-edge solution.

## SWITCH FEATURES

- Intuitive Web based GUI
- Store and Forward switching
- Non-blocking switching – wire speed reception and transmission
- Full duplex and half- duplex operation with IEEE802.3x flow control and backpressure
- Auto-negotiation for automatic connection
- Auto-MDI/MDIX eliminates the need for crossover cables
- Support Jumbo Frame
- Spanning Tree
- L2 Multicast: IGMP/MLD Snooping
- Access Control List
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- IEEE 802.3af/at

## SWITCH OPTIONS

- POE+/ no POE+
- Power Budget
- SFP/ SFP+

# HARDWARE SPECIFICATION

Function/parameter	48x1G + 4xSFP+	48x1G + 4xSFP+ POE+	48x1G + 4xSFP+ POE+
Marvell Chipset.....	98DX226S*2.....	98DX226S*2.....	98DX226S*2
FLASH.....	128 Mb.....	128 Mb.....	128 Mb
RAM.....	512 Mb.....	512 Mb.....	512 Mb
FANs.....	NA.....	2.....	2
PSU.....	40W.....	440W.....	640W
POE budget.....	NA.....	400W.....	600W
Case.....	440*300*44mm.....	440*300*44mm.....	440*300*44mm
Operating Temperature....	-30°C~+70°C.....	-30°C~+60°C.....	-30°C~+60°C
Weight.....	3.7kg.....	4.4kg.....	4.4kg
MTBF.....	100,000h.....	100,000h.....	100,000h
LED Indicators.....	PWR, SYS, Link/ACT LED	PWR, SYS, Link/ACT LED.....	PWR, SYS, Link/ACT LED
Cooper ports 1GbE.....	48.....	48.....	48
Fiber ports 10GbE.....	4.....	4.....	4
Other Ports.....	Console, USB 2.0.....	Console, USB 2.0.....	Console, USB 2.0

## 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

