16x1G SFP + 8x1G SFP/RJ45 COMBO ports+4x10G SFP+ MANAGED SWITCH LN-2316XF8C-4XGF

Product Highlights

- 4x1G/2.5G/10G SFP+ slots uplink
- 16x1G SFP ports + 8x1G SFP/RJ45 COMBO ports downlink
- Power Efficiency
- Full Layer 2+ feature set with Marvell ROS

LN-2316XF8C-4XGF is the Layer 2 managed Gigabit switch. The series deliver full Gigabit access and unparalleled scalability to 10G performance. It provides high-density performance with 128Gbps switching capacity. LN-2316XF8C-4XGF supports comprehensive end to end QoS as well as flexible and rich management, security settings, which can meet the high speed, secure and smart requirement for small and medium-size enterprise networks based on cost effective price. The powerful network security features also make the switch performs effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications

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 24 port configurations with high performance, various management tools, and rich and powerful L2 features.

SWITCH FEATURES

- Open Flow support
- Up to 8 units' stack
- Advanced QoS
- Full Layer 2+ software support

HARDWARE SPECIFICATION

Function/parameter	LN-2316XF8C-4XGF
Marvell Chipset	Alleycat3BHX
Switching capacity	128Gbps
Packet forwarding rate	95Mpps
Buffer	12M bit
Consumption	≤40W
MAC address tab	16K
Case	440*245*44mm
Fixed ports 1Gb/s	4*1G/2.5G/10G SFP+, 16*1G SFP ports, 8*1G SFP/RJ45 COMBO ports
Fiber ports 10Gb/s SFP+	4
Other Ports	Console, OOB, USB 2.0
Working temperature	0℃-50℃
Working humidity	5%–90%(non-condensing)
Power supply	VAC input Rated voltage range: 100-240V Frequency: 50/60Hz
Power surge protection	6KV, IEC 61000-4-5 Level X（8/20us)
Ethernet ports surge protection	4KV, IEC 61000-4-5 Level 4（10/700us)

Marvell ROS SOFTWARE FEATURES

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
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+
DHCP Snooping
IP Source Address Guard
ARP Inspection
DoS Attack Prevention
SSL
SSH
QoS Across the Stack
QoS statistics
Egress Rate Limiting (Shaping)
Ingress Rate Limiting
Packet Storm Control
Dynamic VLAN Assignment

LARCH NETWORKS