



# 12-PORTS

## PLASTIC OPTICAL FIBER SWITCH LN-2312P-2G-2XGF

The POF switch directs data traffic between your devices over an Ethernet network, connecting your home or office equipment to the benefits of Plastic Optical Fiber.



### Product Highlights

- Full support for Marvell's latest ROS version
- Fully managed through CLI, SNMP, Telnet, SSH
- TR69 to be evaluated according Telco customer requirement
- Partially manageable through web interface

The compact and sturdy switch simply plugs into POF cable with zero configurations, providing instant connection to Fast Ethernet of 100Mbps over Plastic Optical Fiber. Plastic Optical Fiber does not conduct electricity, keeping your devices safe from being destroyed by power surge via network cable

POF switch is a standalone device and it's an L2+ managed switch equipped with 12 lines for 1Gbps POF (plastic optical fiber), 2 copper RJ-45 1000BASE-T and 2 fiber SFP+. This switch also provides one RJ45 connector console port used for device configuration. There is USB port for firmware upgrade and configuration upload. Each 1Gbps port is equipped with LEDs indicating its speed, link status and activity.

## SWITCH FEATURES

- Full ROS functionality
- Advanced QoS
- Full Layer 2+ software support

# HARDWARE SPECIFICATION

Function/parameter	12x1G+2RJ45+2XSFP+
Marvel Chipset.....	Alleycat3 (3234)
FLASH.....	256 MB
RAM.....	256 MB
FANs.....	NA
PSU.....	30W
Case.....	440x220x43 mm
Fiber POF ports 1Gb/s.....	12
Fiber ports 10Gb/s SFP+.....	2
Cooper ports 1Gb/s.....	2
Other Ports.....	Console, USB 2.0, RS232

# 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

