

# High Power Wi-Fi Series Wi-Fi Mesh Router

Sesami HotZone is the breakthrough wireless broadband mesh solution that helps fuel new economic development and sustained community growth. The network enables municipalities of all sizes to make cost-effective, high-speed wireless connectivity available to virtually every business and resident.



# Enabling Economic and Personal Growth through A Single Cost –Effective Solutions

Sesami SL-4012HS is a highly integrated Outdoor High Power Multi-Mode Wi-Fi Mesh Router specially designed for HotSpot & WISP applications in any harsh Environments. It is not just an N-in-1 box, but employs up to 26dBm, IEEE 802.11b/g RF Output power With 12dBi Panel Antenna which enables hotspot & WISP operators to reach more area & Customers in broader area. For today's competitive Hotspot & WISP market, Sesami SL-4012HS Is an ideal solution encompassing the flexible deployment, high security & Cost-effective, and ease-to-use

## Key Features:

- Complies with IEEE 802.11b/g standard for 2.4GHz Wireless LAN.
- Support bridging, routing, WISP functions between wireless and wired Ethernet interfaces.
- Support 64-bit and 128-bit WEP, WPA, WPA2, encryption/decryption and WPA with Radius.
- Remote access via SSH2, MESH (OLSR) support, Tx power control
- Bandwidth control ( IP, MAC and Interface ) with groups option
- Support IEEE 802.1x Authentication, IAPP, WDS.
- Support IEEE 802.3x full duplex flow control on 10/100M Ethernet interface.
- Support DHCP server to provide clients auto IP addresses assignment and DHCP client, static IP, PPPoE, PPTP of WAN Interface.
- Support firewall security with port filtering, IP filtering, MAC filtering, port forwarding, trigger port and DMZ hosting functions. WEB based management and configuration.
- Support UPnP for automatic Internet access and Dynamic DNS service.
- Support NTP client service and Log table and remote Log service.
- Setup Wizard mode, Supports Virtual Private Network (VPN) connection.
- Support IPSEC tunnel encryption (3DES/AES128) and authentication
- **Hardware Switch : RESET**



## SRFD Report : Model SL-4012HS

NLOS – 300m, LOS – 5kms, Concurrent 60 Users Supports, Signal Penetration up to four concrete walls uncompromised Signal Coverage.



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To learn more about sesami products, visit [www.sesami.in](http://www.sesami.in).

## Specification :

### WIRELESS INTERFACE

Frequency Band	2.4GHz – 2.4835GHz ISM Band, DSSS
Data Rate	Wireless (54Mbps), Ethernet (100Mbps)
Channel Bandwidth	20 MHz
Standard	802.11b/g(Wireless), 802.3(10BaseT), 802.3u(100BaseT)
Modulation Method	CCK (802.11b), OFDM (802.11g)
System Transmit Power	Up to 20dBm Max in Standard Power Up to 26dBm Max in High Power
Receiver Sensitivity	802.11b -80 dBm@8%, 802.11g -68 dBm@5%
Antenna	12dBi H – 65, V - 35

### NETWORK INTERFACE

Interface Type	RJ-45 10/100Mbps Port with POE Support Antenna: 802.11b/g Wireless Reverse 12dbi Patch detachable
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### INFRASTRUCTURE MANAGEMENT

Subscriber Management	Subscriber and Profile Management QoS Security - 64 bit/128 bit WEP, WPA, WPA2, port filtering, IP filtering, MAC filtering, port forwarding and DMZ hosting
Device Management	SNMP, Web Server
Hardware Switch	OUTDOOR WATER PROOF RESET PUCH BUTTON
Software Management	Local and remote FTP firmware upgrade
Wireless Configuration	AP / Bridge / Client / Repeater / Router / Mesh / WISP / Gateway/ AP+WDS / WDS
Diagnostics	Wireless Scanning (Site Survey)
Protocol	Spanning Tree Protocol, PPTP Protocol, DDNS Protocol, IAPP Protocol
Power Feeding	18V DC Power Adapter

### ENVIRONMENTAL SPECIFICATION

Outdoor Unit Enclosure	All Weather Proof Including Ethernet Field Replaceable Connector.
ODU Operating Temperatures	-32 F to -150 F
Humidity	Up to 98% Maximum (non-condensing)

### PACKAGE

Package Contents	One Outdoor Mesh Router One Power Injector (POE) One Power Adapter One CD-ROM with user Guide One Mounting bracket One Outdoor Water Proof Ethernet Gland
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