

## LP-8696R

802.11 B/G/N 300Mbps Wireless N AP Router



### Main Features

- Support advanced 2 x 2 Technology with up to 300Mbps downstream and upstream
- Complies with 2.4GHz IEEE802.11b/g/n standards
- Support 20MHz and 40 MHz bandwidth
- Operation mode: AP, Router, Repeater
- WAN connection type: Static IP, DHCP, PPPoE
- Virtual server
- DNS relay/client/server, Dynamic DNS
- TCP/UDP/ICMP/ARP protocol stack
- Firewall, URL blocking
- Wireless users access control
- Multiple SSID
- NTP client
- Wireless security - 64/128bit WEP, WPA TKIP, WPA2 AES
- QoS enhancement – WMM
- WPS hardware button

## Technical Specifications

### Networking

- DHCP Server, DHCP Client, DHCP Relay
- Static Route, Dynamic Route (RIPv1 and RIPv2)
- Dynamic DNS and DNS Relay
- IGMP Proxy / IGMP Snooping
- Support of IEEE 802.1d: Transparent Bridging
- NAT / NAPT
- Support of dynamic learning of MAC addresses
- IEEE 802.1q VLAN tagging and pass-through
- ALGs (Application Level Gateways)
- UPnP 1.0 with NAT Traversal capability
- IPV 6 support(Optional)

### Wireless LAN

- Comply with IEEE802.11b/g/n Wi-Fi Standards
- Backward compatible with 802.11b/g devices while operating at 802.11n data rate
- 802.11n maximum Data rates: 300Mbps receive/transmit PHY rate using 40MHz bandwidth
- Burst-mode support for enhanced throughput
- DSSS with DBPSK and DQPSK, CCK modulations and demodulations with coding rate of 1/2, 2/3, 3/4, 5/6
- OFDM with BPSK, QPSK, 16QAM and 64QAM modulations/demodulations with long/short preamble
- Complies with WMM specifications
- Complies with 802.11h, 802.11i specifications
- Hardware-based IEEE 802.11i encryption/decryption, including 64-bit/128-bit WEP, TKIP, and AES engine
- Supports Wi-Fi alliance WPA and WPA2 security

### RF Output Power

- 802.11b: up to 17 ± 1 dBm
- 802.11g: up to 14 ± 1 dBm
- 802.11n: up to 13 ± 1 dBm

### Sensitivity

- -91dBm @ 802.11b
- -86dBm @ 802.11g
- -85dBm @ 802.11n

### Configuration/Management

- Web configuration interface; password protected
- Easy Installation Wizard
- Telnet Session Remote Management
- SNMP v1/v2/Trap
- Firmware upgrades through HTTP, TFTP
- Configuration File Backup and Restore
- ACL (Access Control List)
- UPnP support

### Antenna

- 5dbi Fixed Antenna

### Interfaces

- 1x WAN Ethernet Ports (RJ-45)
- 4x LAN Fast Ethernet Ports (RJ-45)
- Two fixed type RF antennas for 1M~300M wireless LAN One WPS button for secure and easy Wi-Fi connection
- 1x Reset Button to reset to factory settings

### CPU-Platform

- Realtek RTL8676S

### Flash / SDRAM

- 2 MB / 8 MB

### Certifications

- FCC,CE, RoHS

### Operating temperature

- Operating: 0°C - 40°C
- Storage: -40°C - 70°C

### Power Supply (output power)

- 12 VDC / 0.5A