

## LP-7316M(600mW)

High Power 3G/ 802.11 B/G/N Outdoor Router



### Main Features

- Support advanced 1 x 1 Technology with up to 150Mbps downstream and upstream
- Complies with 2.4GHz IEEE802.11b/g/n standards
- Low Noise Amplifier(LNA) support
- Support 20MHz and 40 MHz bandwidth
- Operation mode: Bridge, Gateway, WISP
- Wireless mode: AP, Client, WDS
- DHCP Server/Client
- RF output power adjustable
- Virtual DMZ, Port Forwarding, Dynamic DNS
- Firewall, URL/IP/Port/MAC filtering
- Wireless users access control
- NTP client
- Wireless security - WEP, WPA TKIP, WPA2 AES, ACL
- Support PPPoE, VPN pass-through(L2TP, IPsec and PPTP)
- QoS enhancement - WMM
- WPS by PIN
- Built-in Qualcomm 3G module
  - HSDPA 7.2Mbps
  - HSUPA 5.76Mbps
  - WCDMA 384Kbps
- Support Power over Ethernet (PoE passive)
- PoE injector with Reset button

## Specification

### Wireless LAN Standard

IEEE 802.11 b/g/n

### Support 3G Standard

UMTS/ HSDPA / HSUPA/ CDMA

### Chipset

Ralink RT3050F

### Frequency Band

802.11 b/g/n : 2.400GHz ~ 2.484GHz

WCDMA : 850/2100MHZ

### Data Rate

#### 2.4G

802.11b : 11,5.5,2 and 1 Mbps with auto-rate fall back

802.11g : 54,48,36,24,18,12,9&6Mbps

802.11n : (20MHz) : up to 72Mbps

802.11n : (40MHz) : up to 150Mbps

#### 3G

HSUPA uplink up to 5.76Mbps

HSDPA downlink up to 7.2Mbps

WCDMA (UMTS) uplink data rate up to 384 kbps

### Output Power(Typical)

802.11b: up to 27 ± 1 dBm

802.11g: up to 26 ± 1 dBm

802.11n: up to 22 ± 1 dBm

### Sensitivity

-93dBm @ 802.11b

-91dBm @ 802.11g

-89dBm @ 802.11n

### Operation Mode

Bridge

Gateway

WISP

### Wireless Mode

AP

Client

WDS

### Security

64/128 bit WEP

WPA(TKIP with IEEE 802.1x)

WPA2(AES with IEEE 802.1x)

### Connector

One RJ-45 WAN port

One RJ-45 LAN port

SIM card slot

### Antenna

One 12dBi directional antenna

Build-in antenna for 3G signal

### Operation Temperature

0°C ~ 70°C

### Storage Humidity

10% ~ 90% (Non-condensing)

### Power Class

WCDMA : power class 3

### Media Access Control

CSMA/CA

### Power requirement

12~19V DC/1.5A