

# IPLink-2454R

## Digital Broadband Radio



## PRODUCT BRIEF

The IPLink-2454R is a carrier class broadband radio which complies with IEEE 802.11b/g. It is a High Power Wireless Radio (30dBm RF Power) with 15dBi built-in antenna and favorable water-resistant performance. It supports high speed data rate up to 54 Mbps in the 2.4GHz frequency bands. The hardened design enables the system for long distance transmission under extreme environment. The advanced OFDM modulation and CCK ensures the system capable for the LOS and NLOS, point-to-point or point-to-multipoint applications. TPC (Transmit Power Control) and DFS (Dynamic Frequency Selection) are also supported to provide additional flexibility to the customer.

To enhance the system security and privacy, the IPLink-2454R is protected by different wireless security features such as WPA (Wi-Fi Protected Access), WPA2 (with Advanced Encryption Standard encryption), 64-bit / 128-bit WEP (Wired Equivalent Privacy) and IEEE 802.1X authentication. It also provides such as NTP client service, Virtual Private Network (VPN) connection, Wireless Distribution System (WDS), firewall security with port filtering, IP filtering, MAC filtering, port forwarding, trigger port and DMZ hosting functions. The system management control can be achieved locally and remotely via the user friendly web page. The IPLink-2454R is the most cost-effective, high speed and high reliable solution.

## HIGHLIGHTS

- 2.4 GHz 802.11b/g standard
- High-speed wireless data links (Up to 54 Mbps)
- High output power up to 30 dBm @ b/g band
- 15dBi built-in antenna
- Weatherproof ABS UV resistant enclosure (IP65 Enclosure)
- Survival wind speed: 134 mph - 216 Km/hr
- Supports TPC (Transmit Power Control) and DFS (Dynamic Frequency Selection)
- Wireless security with WEP, WPA and IEEE 802.1X
- Supports Wireless Distribution System (WDS) and Virtual Private Network (VPN) connection
- IP security supports firewall security with port filtering, IP filtering, MAC filtering

ASW FAMILY



# TECHNICAL SPECIFICATIONS

Technical Specifications	
Processor Specs	RTL8186 180MHz
Memory Information	8MB SDRAM, 2MB FLASH Customized 16MB SDRAM or 32MB SDRAM
TX Power	29dBm, +/-2dB
RX Sensitivity	-108dBm (11Mbps), -98dBm(54Mbps)
Ethernet Connection	IEEE 802.3 100BaseT(RJ-45)
Operation Modes	AP Client, AP Client Router , AP Router , AP Bridge, PtP Bridge , and WDS Modes
External PoE injector	IEEE 802.3 (Ethernet)
Antenna	15dBi plane antenna +External RP-SMA
Temperature	-40°C to +80°C
Humidity	95% @ 55°C
Dimension	180 x 150x 70 mm
Gross Weight	0.75kg
802.11 Radio SPECIFICATIONS	
Standard	IEEE 802.11b, Wi-Fi compliant/IEEE 802.11g standard
Frequency Range	2.412GHz-2.4835GHz
Frequency Band	N. America / FCC : 2.412 ~ 2.462 GHz (11 channels)
	Europe CE / ETSI : 2.412 ~ 2.472 GHz (13 channels)
	Japan : 2.412 ~ 2.484 GHz (14 channels)
	France : 2.457 ~ 2.472 GHz (4 channels)
	Spain : 2.457 ~ 2.462 GHz (2 channels)
Security	64 bit/ 128 bit WEP, WPA, port filtering, IP filtering, MAC filtering, port forwarding and DMZ hosting
Modulation Technology	802.11b: Direct Sequence Spread Spectrum (PBCC, CCK, DQPSK, DBPSK)
	802.11g: Orthogonal frequency division multiplexing
Data Rate	802.11b(11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps)
	802.11g(54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps)
Transmit Power	54M/48M/36M :24dbm Max.
	24M/18M/12M :27dbm Max.
	12M/9M/6M :29dbm Max.
	11M/5.5M/2M/1M :30dbm Max.
Receiver Sensitivity	-108dBm (11Mbps), -98dBm(54Mbps)

