

## 54M High Power Wireless Access Point

### TL-WA5110G



High Power and receive sensitivity design to boost your signal coverage and link speed

Optimized performance for Ultra-Long-Distance wireless transmission

Power over Ethernet for flexible deployment



### Description:

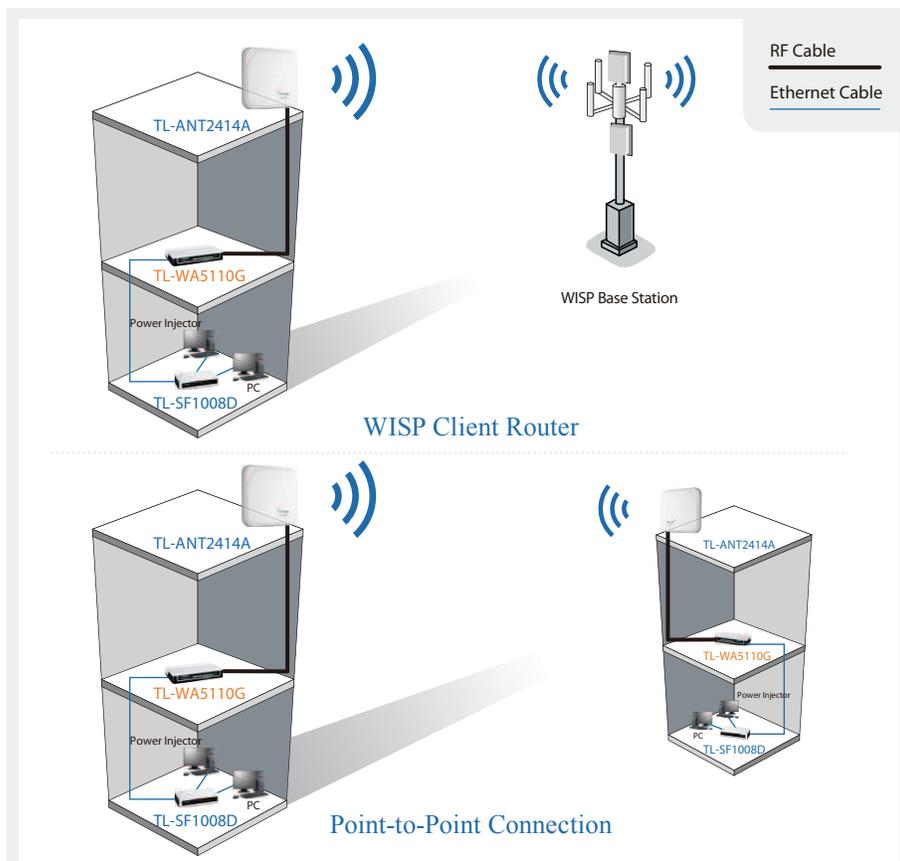
The TL-WA5110G 54M High Power Wireless Access Point is dedicated to Small Office/Home Office (SOHO) and long distance wireless network solutions. It integrates the functions of a Wireless Access Point, WISP Client, Firewall, and NAT-Router. It features high output power and high receive sensitivity can significantly extend the transmission range to reduce dead spots and to deliver a more stable wireless connection.

The TL-WA5110G provides three operation modes for multiple users to access the Internet: AP client router, AP router and AP. In AP client router mode, it works as a WISP CPE. In AP router mode, it can access the Internet via an ADSL/Cable Modem. In AP mode it can work in various modes, such as Access Point/Client/WDS Bridge/Repeater.

## Specifications:

|   |  |                 |
|---|--|-----------------|
| Standards                                     | IEEE 802.11g   |                 |
|   | IEEE 802.11b   |                 |
| Interface                                     | One 10/100M Auto-Sensing RJ45 Port (Auto MDI/MDIX), supporting Passive PoE |                 |
| Wireless Signal Rates With Automatic Fallback | 11g:54/48/36/24/18/12/9/6Mbps (Dynamic)                                    |                 |
|   | 11b:11/5.5/3/2/1Mbps (Dynamic)   |                 |
| Frequency Range                               | 2.4-2.4835GHz  |                 |
| Wireless Transmit Power                       | 20dBm(MAX EIRP) for countries using CE standards                           |                 |
|   | 27dBm(MAX EIRP) for countries using FCC standards                          |                 |
| Antenna                                       | 4dBi detachable Omni directional (RP-SMA)                                  |                 |
| Modulation Type                               | IEEE 802.11b: DQPSK, DBPSK, DSSS, and CCK                                  |                 |
|   | IEEE 802.11g: BPSK, QPSK, 16QAM, 64QAM, OFDM                               |                 |
| Receiver Sensitivity                          | 802.11g  | 802.11b         |
|   | 54M: -75dBm±1dB  | 11M: -91dBm±1dB |
|   | 9M: -92dBm±1dB   | 1M: -95dBm±1dB  |
|   |  |                 |
| Power Supply Unit                             | Input: localized to country of sale<br>Output: 12VDC / 1A linear PSU       |                 |
| Certifications                                | CE, FCC  |                 |
| Operating Temperature                         | -10°C~40°C (14°F~104°F)  |                 |
| Storage Temperature                           | -40°C~70°C (-40°F~158°F)   |                 |
| Relative Humidity                             | 10% ~ 90%, non-condensing  |                 |
| Storage Humidity                              | 5%~90% non-condensing  |                 |
| Dimensions                                    | 6.5 × 4.2 × 1.1 in. (165 × 108 × 28mm)                                     |                 |

## Diagram:



## Features:

- Supports AP Client Router(WISP Mode), AP Router and AP operation mode.
- High output transmission power and reception sensitivity optimized.
- Supports Passive Power over Ethernet.
- Supports Wireless Distribution System (WDS).
- Distance Adjustment for long range transmission, up to 50km\*.
- Supports Antenna Alignment.
- Supports Layer 2 User Isolation.
- Provides throughput monitor.
- Supports Ping Watch Dog.
- Supports Link Speed Test.
- Supports Remote Management.
- Supports PPPoE, Dynamic IP, Static IP Internet Access.
- Built-in NAT and DHCP server Supports Address Reservation.
- Provides 64/128/152-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK data security and TKIP/AES encryption, WLAN ACL (Access Control List).
- Supports configuration backup/restore and firmware upgrades.

\* High gain directional antenna dependent

## Package Contents:

- 54M High Power Wireless Access Point TL-WA5110G
- Power Adapter
- RJ-45 Ethernet Cable
- Quick Installation Guide
- Power Injector
- Resource CD

## Related Products:

- 14dBi 2.4GHz Directional Antenna TL-ANT2414A
- 24dBi 2.4GHz Grid Parabolic Antenna TL-ANT2424B
- 8-port Unmanaged 10/100M Desktop Switch TL-SF1008D

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