# 2.4GHz MutennaII 14 dBi Antenna
# with 802.11b/g USB 1W adapter

Weatherproof Enclosure with the integrated Panel antenna & USB adapter



- **Designed for wireless LAN communications**
- **Mounted easily for the outdoor application**
- **Designed to obtain maximum gain**
- **Made with weatherproof and corrosion resistant**
- **Operate at 2.4GHz with data transmission rate up to54Mbps**
- **IEEE Standards support: IEEE 802.11b/g**
- **Advanced security features including WEP, WPA and WPA2**
- **USB 2.0 interface compliant with USB 1.1**
- **Advanced power saving technology**
- **Support WPA 802.1x authentication for Windows 98SE, ME, 2000 and XP**
- **Compatible with Windows 98SE, ME, 2000, XP, MAC, Linux, Vista, Windows 7**

# Features:

1. Wireless setup plan is not required.
2. Easy and Convenience to install
3. Just plug in your computer or notebook.
4. Good reception and search result on all WiFi outdoor wireless signals.
5. The transmission distance is around 2 km
6. Easy to use, minimal or no technical knowledge required.

# Specification of Enclosure antenna:

| Technical Information | |
|---|---|
| Item No. | MUII-2450-14 |
| Frequency | 2400-2483 MHz |
| Gain/Beamwith Degrees | 14 dBi |
| VSWR | ≦1.5:1 |
| Impedance | 50Ω |
| Dimensions | |
| Size | L253 x W253 x H70.4 mm |
| Weight | 1400 g |
| Inside Connector | SMA Type / female |
| Others | |
| Right Angle Adapter | SMA (M) to RP SMA (M) adapter |
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# Specification of USB 1W adapter

| Technical Information | |
|---|---|
| Product Name | WLAN USB Adapter (USB-2450-03) |
| Standard | IEEE 802.11b, IEEE 802.11g (WiFi Compatible) |
| Chipset | RTL8187L |
| Frequency Band | 2400 ~ 2483 MHz |
| Operating Frequency/Channel | 2.412~2.462GHz (Canada, FCC) / 11 Channels<br>2.412~2.484GHz (Japan, TELEC) / 14 Channels<br>2.412~2.472GHz (Euro, ETSI) / 13 Channels |
| Modulation Technique | Orthogonal Frequency division multiplexing (OFDM)<br>Direct Sequence Spread Spectrum (CCK, DQPSK, DBOSK) |
| Security | 64/128 bit WEP, WPA, WPA2, 802.1X and 802.11i |
| Media Access Protocol | CSMA/CA (Collision Avoidance) |
| Output Power (High-Power) | 11g : 24dBm (Typical) ± 1<br>11b : 30dBm (Typical) ± 1 |
| Data Rate | IEEE 802.11b: 11, 5.5, 2 and 1Mbps with auto-rate fall back<br>IEEE 802.11g: 54, 48, 36, 24, 18, 12, 9 and 6Mbps with auto-rate fall back |
| Sensitivity | 54Mbps: -68dBm<br>11Mbps: -80dBm |
| Working Mode | Ad-Hoc or Infastructure |
| Throughput | 22Mbps@54Mbps ; 5.5Mbps@11Mbps |
| Interface | Mini USB |
| Operating Temperature | 0 ~ 60 degree ambient temperature |
| Storage Temperature | -20 ~ 70 degree ambient temperature |
| Operating & Storage Humidity | 10% ~ 90% (non-condensing) |
| Operating System Support | Windows 98SE, ME, 2000, XP, SP2, VISTA, MAC, LINUX, VISTA, Windows 7 |
| Approval | FCC Parts 15 |