

# ZyXEL



## 802.11b/g/n Omni-Directional High-Gain Antenna



- **6 dBi Omni-directional Antenna for Extended Wireless Signal Coverage**
- **Compatible with 802.11b/g/n Wireless Devices that Support SMA Reverse Connectors**
- **Allows Desktop Type and Wall-mount Type for Flexible Placement**
- **Easy to Install, No Software Required**



### Benefits

#### Powerful—Up to 2 Times more Wireless Coverage Compared with Standard Antennas

ZyXEL's ANT1106 provides increased coverage for existing 802.11b/g/n wireless networks. Comparing with normal 2 dBi antennas, it improves transmission distance as much as 174%. With the ANT1106, you can easily avoid cost and complexity of adding additional access points or repeaters.

#### Best—All Direction Signal Increase Wireless Coverage into Dead Spots

This omni-directional antenna design not only improves signal quality and wireless signal range, but also eliminates dead spots in its 360° wireless coverage.

#### Effective—Compatible with any 802.11b/g/n WLAN Device by Using ReversePlug SMA Connectors

The ANT1106 can increase the effective range of existing 2.4 GHz wireless routers, AP, PCI and similar devices from ZyXEL and other makers. So you may enjoy the 300 Mbps throughput and larger coverage of the latest 802.11n standard with ZyXEL ANT1106.

#### Flexible—Wall Mount and Desk Mount Placement Increasing Flexibility and Coverage

The ANT1106 comes with a base plate, a desk-mount plate, a wall-mount plate, 1.5 m extended cable and accessories. Depending on different usages and environments, users may choose the wall- or desk-mount configuration for better wireless performance.

6 dBi Omni-Directional Antenna

ANT1106 SERIES



# WIRELESS



## 6 dBi Omni-Directional Antenna ANT1106 SERIES

### Specifications

#### System Specifications

- Antenna type: Helix Dipole
- Application: Indoor
- Frequency and bandwidth: 2.4 GHz ~ 2.5 GHz
- Antenna radiation: Omni-directional
- Peak gain: 6 dBi
- HPBW/H: 360 Degree
- HPBW/V: 25 Degree
- VSWR: 2.0 : 1

#### Hardware Specifications

- Coaxial cable: LMR-100, 1600 mm
- Cable loss @2.45 GHz: 2.2 dB
- Connector: RP-SMA

#### Physical Specifications

- Dimensions: 166 (W) x 40 (D) x 15 (H) mm;  
6.54 (W) x 1.57 (D) x 0.59 (H) inch
- Weight: 78g; 2.57oz

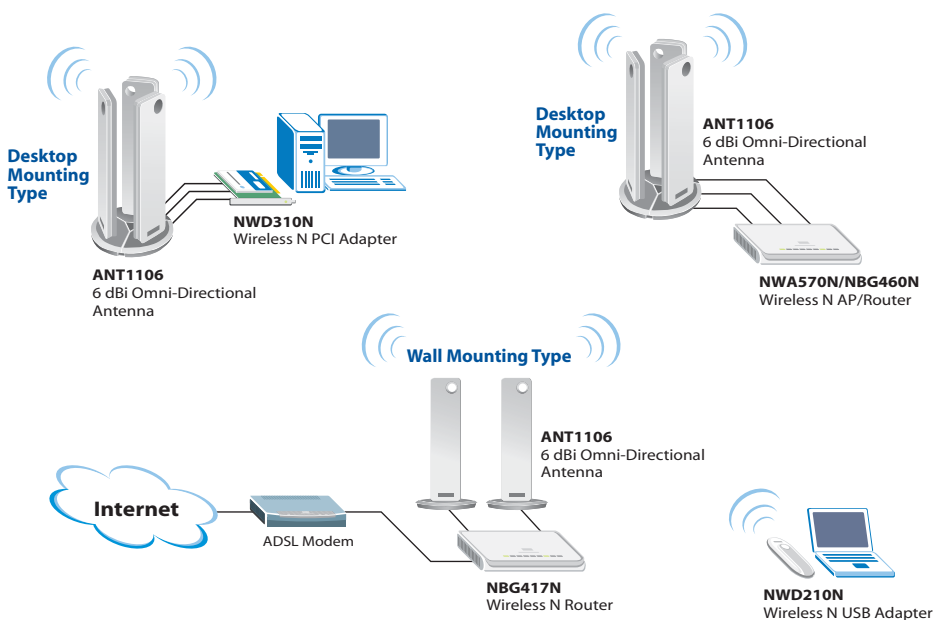
#### Environmental Specifications

- Operating temperature: 0°C ~ 50°C; 32°F ~ 122°F
- Storage temperature: -20°C ~ 70°C; -4°F ~ 158°F
- Operating/Storage humidity: 20% ~ 95% RH

#### Product Description

- It could be 1, 2 or 3 pcs of antenna device in ANT1106 package

### Application Diagram



### Performance Comparison



For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)

