*2.4GHz* *Up to 108Mbps*

# High Speed Wireless Access Point

Model no. NL-3054AP3 Aries2



| Feature | Benefit |
|---|---|
| High Speed Data Rate Up to 108Mbps | Capable of handling heavy data payloads such as MPEG video streaming |
| Fully IEEE 802.11g standards compliant, and backwards compatible with IEEE802.11b products | Marking interoperable with existing 2.4GHz device and networks |
| Transmission Power Control (TPC) Support | Offers flexibility to adjust RF output power manually. |
| Wi-Fi Protected Access | Enhance authentication and security |
| 64 / 128 / 152-bit WEP data encryption | Powerful data security. |
| MAC address filtering | Ensure secure network connection |
| Remote Configuration via web-browser / telnet | Easy to configure or manage the device remotely |
| Firmware upgrade through web-browser | Easy to upgrade the firmware to reduce operations overhead |
| Bridge / Repeater mode | Support WLAN Client / Repeater mode |
| WPA-AES Support | Provides powerful federal government level security |

| General | |
|---|---|
| **Data Rates** | **802.11g :**6, 9, 12, 18, 24, 36, 48, 54 & 108 Mbps<br>**802.11b :**1, 2, 5.5, 11Mbps |
| **Media Access Protocol** | Carrier sense multiple access with collision avoidance (CSMA/CA) |
| **Standards** | IEEE802.11g, IEEE802.1x, IEEE802.3, IEEE802.3u |
| **Power Requirements** | 12 V 1A |
| **Compliance** | FCC Part 15/UL, ETSI 300/328/CE |
| **Security** | • WEP (64, 128, 152bit)<br>• Wi-Fi Protected Access |
| **Management** | Web-based configuration (HTTP), Telnet |

| | |
|---|---|
| **Firmware Upgrade** | Upgrade firmware via TFTP, Web-browser |
| **RF Information** | |
| **Frequency Band** | 2.412~2.462GHz(US)<br>2.412~2.484GHz(Japan)<br>2.412~2.472GHz(Europe ETSI)<br>2.457~2.462GHz(Spain)<br>2.457~2.472GHz(France) |
| **Modulation Technology** | **802.11g :** OFDM (64-QAM, 16-QAM, QPSK, BPSK)<br>**802.11b :** DSSS (DBPSK, DQPSK, CCK) |
| **Operating Channels** | 11 for North America, 14 for Japan, 13 for Europe,<br>2 for Spain, 4 for France |
| **Receive Sensitivity** | -91dBm @ 1Mbps -84dBm @ 6Mbps -75dBm @ 24Mbps<br>-90dBm @ 2Mbps -82dBm @ 9Mbps -73dBm @ 36Mbps<br>-89dBm @ 5.5Mbps -79dBm @ 12Mbps -70dBm @ 48Mbps<br>-87dBm @ 11Mbps -77dBm @ 18Mbps -68dBm @ 54Mbps |
| **Transmit Output Power (Typical)** | **802.11g :** Up to 19dBm<br>**802.11b :** Up to 21dBm |
| **Physical** | |
| **Interface** | 1* 10/100Base Ethernet LAN Port |
| **Status LEDs** | Power, LAN, WLAN |
| **Antenna** | One non-detachable antenna |
| **Dimensions** | 135(L)mm x 110(W)mm x 31(H)mm |
| **Environmental** | |
| **Temperature Range** | 0°C to 50°C (32°F to 131°F) – Operating<br>-40°Cto 70°C(-40°F to 158°F) – Storage |
| **Humidity (non-condensing)** | 5%~95% Typical |

Theoretical wireless signal rate based on IEEE standard 802.11a, b, g of chipset used. Actual throughput will vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice. Last Updated: 11/03/2004