5GHz&2.4GHz

Up to 108Mbps

Dual Band Wireless Access Point

Model no. NL-5354AP1 Aries2

Feature	Benefit
2.4GHz IEEE802.11b/g standard and 5GHz IEEE802.11a standard compliant	Fully interoperable with IEEE802.11a/b/g compliant products.
Dual Radios for Atheros 802.11a and Atheros 802.11g/b	The 802.11a and 802.11g wireless LANs can be used simultaneously
3-way bridging for 802.3 and 802.11a/g networks	Enable the transfer of data among deferent kinds of networks
Wi-Fi Protected Access	Enhance authentication and security
High speed data rate up to 54Mbps/ 108Mbps in “Super G” and “Turbo A” mode	Capable of handling heavy data payloads such as MPEG video streaming
DFS/TPC for European operation (IEEE802.11h)	Meet requirements of vertical applications using 802.11a and 802.11g in Europe
Multi country Roaming (802.11d)	Automatically adjusts regulatory domain to operate in different countries
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 based	Easy to upgrade the firmware to reduce operations overhead

General	
Data Rates (Auto-rate capable)	**802.11a :** 6, 9, 12, 18, 24, 36, 48, 54 & 108Mbps(Turbo Mode) **802.11g :**6, 9, 12, 18, 24, 36, 48 & 54Mbps **802.11b :**1, 2, 5.5, 11Mbps

Media Access Protocol	Carrier sense multiple access with collision avoidance (CSMA/CA)
Standards	IEEE802.11, IEEE802.11a, IEEE802.11b, IEEE802.11g, IEEE802.11d, IEEE802.11h, IEEE802.3, IEEE802.3u Standards
Power Requirements	◆ Power Supply: 90 to 240 VDC +/- 10%(depend on different country) Device: 12 V 1A ◆ Power over Ethernet (PoE): -48V (Optional)
Compliance	FCC Part 15/UL, ETSI 300/328/CE
Security	• WEP (64, 128, 152bit) • Wi-Fi Protected Access(64,128,152-WEP with TKIP, Shared Key Authentication)
Management	Web-based configuration (HTTP), Telnet
Firmware Upgrade	Upgrade firmware via TFTP/Web browser

RF Information

Frequency Band	**802.11a** • 5.15~5.25GHz, 5.25~5.35GHz, 5.725~5.825GHz **802.11b/g** • 2.412~2.462GHz(US) • 2.412~2.484GHz(Japan) • 2.412~2.472GHz(Europe ETSI) • 2.457~2.462GHz(Spain) • 2.457~2.472GHz(France)
Modulation Technology	**802.11a/g :** OFDM (64-QAM, 16-QAM, QPSK, BPSK) **802.11b :** DSSS (DBPK, DQPSK, CCK)
Operating Channels	**802.11a** : 12 for FCC, 11 for Europe, 4 for Japan, 4 for Singapore, 4 for Taiwan **802.11b/g** : 11 for FCC, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
Receive Sensitivity (typical)	**802.11a :** -82dBm @ 6Mbps -78dBm @ 18Mbps -70dBm @ 48Mbps -81dBm @ 9Mbps -75dBm @ 24Mbps -68dBm @ 54Mbps -79dBm @ 12Mbps -72dBm @ 36Mbps **802.11b/g :** -91dBm @ 1Mbps -84dBm @ 6Mbps -75dBm @ 24Mbps -90dBm @ 2Mbps -82dBm @ 9Mbps -73dBm @ 36Mbps -89dBm @ 5.5Mbps -79dBm @ 12Mbps -70dBm @ 48Mbps -87dBm @ 11Mbps -77dBm @ 18Mbps -68dBm @ 54Mbps

Transmit Output Power (Typical)	**802.11a :** Up to 20dBm **802.11g :** Up to 21dBm **802.11b :** Up to 23dBm
Physical	
Interface	1* 10/100Base Ethernet LAN Port
Status LEDs	Power, LAN, WLAN 11a, WLAN 11b/g
Antenna	Non-detachable diversity antenna*2 (2.4G/5G)
Weight	500 g
Dimensions	220(L)mm x 145(W)mm x 35(H)mm
Environmental	
Temperature Range	0°C to 55°C (32°F to 131°F) - Operating -40°Cto 70°C(-40°F to 158°F) - Storage
Humidity (non-condensing)	5%~95% Typical

Update by 2004/5/20

All specifications are subject to change without notice.