

2.4GHz

Up to 54Mbps

High Speed Wireless Access Point

Model no. NL-3054AP3 Aries



Feature	Benefit
High Speed Data Rate Up to 54Mbps	Capable of handling heavy data payloads such as MPEG video streaming
Fully IEEE 802.11g draft standards compliant, and backwards compatible with IEEE802.11b products	Marking interoperable with existing 2.4GHz device and networks
Up to 256-bit WEP Data Encryption with TKIP	Powerful data security
Wi-Fi Protected Access / IEEE802.1x/RADIUS Client (EAP-MD5/TLS/TTLS) Support	Enhance authentication and security.
Transmission Power Control (TPC) Support	Offers flexibility to adjust RF output power.
Dynamic Frequency Selection (DFS) support	Provides flexible selection of the best frequency to allow mobility among all existing IEEE802.11a/b/g networks.
Wireless client MAC Address Filtering	Ensure secure network connection
SNMP/Telnet/Web configuration	Helps administrators to remotely configure or manage this device via SNMP/Telnet/Web browser
Firmware upgrade through Telnet/Web browser/Console	Easy to upgrade the firmware to reduce operations overhead
DHCP Server, DNS Relay	Powerful routing support enables segmentation and routing of IP protocols.

General

Data Rates

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	IEEE802.11g draft, IEEE802.1x, IEEE802.11h, IEEE802.3, IEEE802.3u
Power Requirements	12 V/1A
Compliance	FCC Part 15/UL, ETSI 300/328/CE
Security	<ul style="list-style-type: none"> • IEEE802.1x / RADIUS Client (EAP-MD5/TLS/TTLS) Support • WEP 64/128/256 bits • Hidden SSID • Support basic user/administrator interfaces for serial console • Specific management IP address
Management	<ul style="list-style-type: none"> • Remote configuration through Telnet/Web/ SNMP (v1/v2c, 802.1x, 802.11, Enterprise MIBs) • Backup/Restore setting of configuration • IEEE802.1x PAE status • Support SNMP trap
Firmware Upgrade	Upgrade firmware via Telnet/Web Browser/Console
RF Information	
Frequency Band	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	802.11g : OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11b : DSSS (DBPSK, DQPSK, CCK)
Operating Channels	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
Receive Sensitivity	-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	802.11g :

(Typical)	20dBm +/-2dBm @ 6~24Mbps 17dBm +/-2dBm @ 48 Mbps 19dBm +/-2dBm @ 36 Mbps 15dBm +/-2dBm @ 54 Mbps 802.11b : 20dBm +/-2dBm for all rates
Physical	
Interface	1* 10/100Base Ethernet LAN Port
Status LEDs	Power, LAN, WLAN
Antenna	One detachable diversity antenna
Dimensions	135(L)mm x 110(W)mm x 31(H)mm
Environmental	
Temperature Range	0°C to 55°C (32°F to 131°F) – Operating -40°C to 70°C (-40°F to 158°F) – Storage
Humidity (non-condensing)	5%~95% Typical

Update by 2003/7/29

All specifications are subject to change without notice.