

5GHz/2.4GHz

Dual Band Wireless Cardbus Adapter

Up to 108Mbps

Model no. NL-5354CB Aries



Feature	Benefit
2.4GHz IEEE802.11b/g (draft) standard and 5GHz IEEE802.11a standard compliant	Fully interoperable with IEEE802.11a/b/g (draft) compliant products.
Up to 54Mbps and 108Mbps (turbo mode) high-speed data rates	Capable of handling heavy data payloads such as MPEG video streaming
Up to 152-bit WEP Data Encryption with TKIP	Powerful data security.
IEEE802.1x Client support (Optional)	Enhances authentication and security.
Dynamic Frequency Selection (DFS) support	Provides flexible selection of the best frequency to allow mobility among all existing IEEE802.11a/b/g networks.
Transmission Power Control (TPC) support	Offers flexibility to adjust RF output power.
Multi-country Roaming (802.11d) support	Automatically adjusts regulatory domain to operate in different countries.

General

Data Rate (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.
Network Standards	WECA (Wi-Fi & Wi-Fi5), IEEE802.11, IEEE802.11a, IEEE802.11g draft, IEEE802.11b, draft IEEE 802.11e, f, h, and i standards, IEEE802.11x(Optional)
Compliance	FCC Part 15/UL, ETSI 300/328/CE
Drivers	Windows 98/ME/2000/XP
Operational voltage	3.3/5 V
Security	<ul style="list-style-type: none">• IEEE802.1x Support for LEAP (Optional)• WPA - Wi-Fi Protected Access (64,128,152-WEP with TKIP)

	<ul style="list-style-type: none"> AES (Advance Encryption Security) Support
RF Information	
Frequency Band	802.11a <ul style="list-style-type: none"> 5.15~5.25GHz 5.25~5.35GHz 5.725~5.825GHz 802.11b/g <ul style="list-style-type: none"> 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)
Media Access Protocol	CSMA/CA with ACK
Modulation Technology	802.11a/g : OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11b : DSSS (DBPSK, DQPSK, CCK)
Receive Sensitivity (typical)	802.11a : -86dBm @ 6Mbps -80dBm @ 18Mbps -70dBm @ 48Mbps -84dBm @ 9Mbps -77dBm @ 24Mbps -68dBm @ 54Mbps -82dBm @ 12Mbps -73dBm @ 36Mbps 802.11b/g : -91dBm @ 1Mbps -85dBm @ 9Mbps -77dBm @ 36Mbps -89dBm @ 2Mbps -82dBm @ 12Mbps -76dBm @ 48Mbps -87dBm @ 5.5Mbps -80dBm @ 18Mbps -73dBm @ 54Mbps -86dBm @ 6Mbps -78dBm @ 24Mbps
Transmit Output Power	802.11a : Up to 18dBm 802.11b/g : Up to 21dBm
Physical	
LED	RF Link activity
Interface	32-bit CardBus PC Card Standard V7.1 Type II
Antenna	Integrated built-in diversity Antenna
Dimensions (HxWxL)	6.3mm x 54mm x 118mm (0.30in x 2.13in x 4.65in)
Environmental	
Temperature Range	-10°C to 60°C (14°F to 140°F) - Operating -40°C to 70°C (-40°F to 158°F) - Storage
Humidity (non-condensing)	5%~95% Typical

All specifications are subject to change without notice.