

2.4GHz

Up to 54Mbps

High Speed Wireless MiniPCI Adapter

Model no. NL-3054MP PLUS



Feature	Benefit
High Speed Data Rate Up to 54Mbps	Capable of handling heavy data payloads such as MPEG video streaming
WEP Data Encryption and TKIP	Powerful data security.
IEEE802.1x Client Support	Enhances authentication and security.
Multi-country Roaming (802.11d) Support	Automatically adjusts regulatory domain to operate in different countries.
Advanced Power Management	Low power consumption in power saving mode.

General

Data Rates	1,2,5.5,6,9,11,12,18,24,36,48,54 Mbps
Network Standards	IEEE 802.11, IEEE 802.11b, IEEE802.11g
Compliance	FCC Part 15/UL, ETSI 300/328/CE
Drivers	Windows 98SE/ME/2000/XP
Operational voltage	3.3 V \pm 0.15V
Current consumption	<ul style="list-style-type: none">● Continue Tx: \leq 1000mA● Continue Rx: \leq 500mA● LINK Mode : \leq 500mA
Security	<ul style="list-style-type: none">● 64/128 bit WEP Encryption● IEEE802.1x Client (EAP-TLS, EAP-TTLS supplicant) Support● WPA -- Wi-Fi Protected Access (64,128-bit WEP with TKIP, Pre-Share Key)

RF Information

Frequency Band	2412 – 2483.5 MHz
Channels	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
Media Access Protocol	Carrier sense multiple access with collision avoidance (CSMA/CA)

Modulation Technology	Orthogonal Frequency Division Multiplexing (OFDM) DBPSK @ 1Mbps DQPSK @2Mbps CCK @ 5.5 & 11Mbps BPSK @ 6 and 9 Mbps QPSK @ 12 and 18 Mbps 16-QAM @ 24 and 36 Mbps 64-QAM @ 48 and 54 Mbps
Receive Sensitivity (Typical)	-94dBm @ 1Mbps -92dBm @ 6Mbps -83dBm @ 24Mbps -92dBm @ 2Mbps -90dBm @ 9Mbps -79dBm @ 36Mbps -89dBm @ 5.5Mbps -88dBm @ 12Mbps -74dBm @ 48Mbps -86dBm @ 11Mbps -86dBm @ 18Mbps -72dBm @ 54Mbps
Available transmit power (Depend on Different Countries' Regulation)	21 ± 2dBm @1, 2, 5.5 and 11Mbps 20 ± 2dBm @6, 9, 12, 18Mbps 17 ± 2dBm @24, 36Mbps 16 ± 2dBm @48, 54Mbps
Physical	
Interface	Mini PCI Type III A
Antenna Connector	Two Antenna Connectors (U.FL)
Dimensions	50.9(L) mm x 59.6(W) mm x 4.8. (H) mm 2 (L) in x 2.3(W) in x 0.2. (H) in
Environmental	
Temperature Range	0°C to 55°C - Operating -40°C to 70°C - Storage
Humidity (non-condensing)	5%~95% Typical

All specifications are subject to change without notice.

Last Updated: 04/06/2004