

2.4GHz 802.11g/b

High Speed Wireless USB 2.0 Adapter

Model No. NL-3054UB5



Wireless	
Data Rates	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
Network Standards	IEEE 802.11, IEEE 802.11b, 802.11g
Compliance	FCC Part 15/UL, ETSI 300/328/CE
Drivers	Windows 98SE/ME/2000/XP
Security	IEEE802.1x Support for LEAP (Optional) WPA -- Wi-Fi Protected Access (64,128-bit WEP with TKIP, Shared Key Authentication) AES (Advance Encryption Security) Support
USB interface	
Operational Voltage	5V
Current Limit	500mA
Data rate	12 Mbps and 480 Mbps
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) Orthogonal Frequency Division Multiplexing (OFDM)
Modulation Technology	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)	-89dBm @ 1Mbps -87dBm @ 6Mbps -79dBm @ 24Mbps -86dBm @ 2Mbps -87dBm @ 9Mbps -75dBm @ 36Mbps

	-85dBm @ 5.5Mbps -82dBm @ 11Mbps	-84dBm @ 12Mbps -82dBm @ 18Mbps	-68dBm @ 48Mbps -68dBm @ 54Mbps
Available transmit power	18dBm @1, 2, 5.5 and 11Mbps 18dBm @6Mbps 14dBm @24Mbps 18dBm @9Mbps 14dBm @36Mbps 16dBm @12Mbps 12.5dBm @48Mbps 16dBm @18Mbps 12.5dBm @54Mbps		
Physical			
Form Factor	USB 2.0		
Interface	USB Interface – mini A Type		
LED	RF Link activity		
Antenna	Flip-up antenna		
Dimension	L 107 x W 66 x H 20 mm		
Environmental			
Temperature Range	-0°C to 60°C - Operating -40°C to 70°C - Storage		
Humidity (non-condensing)	5%~95% Typical		

* All specifications are subject to change without notice.

Last Updated: 04/01/2004