

## 2.4GHz 802.11g/b

### High Speed Wireless USB 2.0 Adapter

Model No. NL-3054UB5



Wireless	
<b>Data Rates</b>	1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 Mbps
<b>Network Standards</b>	IEEE 802.11, IEEE 802.11b, 802.11g
<b>Compliance</b>	FCC Part 15/UL, ETSI 300/328/CE
<b>Drivers</b>	Windows 98SE/ME/2000/XP
<b>Security</b>	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	
<b>Operational Voltage</b>	5V
<b>Current Limit</b>	500mA
<b>Data rate</b>	12 Mbps and 480 Mbps
RF Information	
<b>Frequency Band</b>	2412 – 2483.5 MHz
<b>Channels</b>	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
<b>Media Access Protocol</b>	Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA) Orthogonal Frequency Division Multiplexing (OFDM)
<b>Modulation Technology</b>	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
<b>Receive Sensitivity (typical)</b>	-89dBm @ 1Mbps    -87dBm @ 6Mbps    -79dBm @ 24Mbps -86dBm @ 2Mbps    -87dBm @ 9Mbps    -75dBm @ 36Mbps

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

\* All specifications are subject to change without notice.

Last Updated: 04/01/2004