

## Specifications

Product Wireless USB Adapter

Model no. NL-2511UB



### General

Radio Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Range (open environment)	11 Mbps – 150m 5.5 Mbps – 200m 2 Mbps – 250m 1 Mbps – 400m
Operating Voltage	5V
EMC Certifications	FCC Part 15/UL, ETSI 300/328/CE
Compatibility	Fully interoperable with IEEE802.11b compliant products
LED Indicator	RF Link activity

### Network Information

Network Architecture	Support ad-hoc, peer-to-peer networks and infrastructure communications to wired Ethernet networks via Access Point
Drivers	Windows 98/ME/2000/XP
Access Protocol	CSMA/CA
Roaming	IEEE802.11b compliant
Security	64/128-bit WEP data encryption

### Radio

Frequency Band	2.4 – 2.484 GHz
Radio Type	Direct Sequence Spread Spectrum (DSSS)
Modulation	CCK (11, 5.5Mbps) DQPSK (2Mbps) DBPSK (1Mbps)
Operation Channels	11 for North America, 14 for Japan, 13 for Europe, 2 for Spain, 4 for France
RF Output Power	15dBm ± 2dBm
Antenna	High Sensitivity Dipole Antenna
Sensitivity @FER=0.08	11 Mbps < -83dBm 5.5 Mbps < -86dBm 2 Mbps < -89dBm 1 Mbps < -91dBm

### Environmental

Temperature Range	0 to 50°C (operating) -20 to 80°C (storage)
Humidity (non-condensing)	5% to 95% typical

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### Physical Specifications

Form Factor	USB 1.1
Dimensions	115(L) mm x 100(W) mm x 25.5(H) mm 115(L) mm x 100(W) mm x 25.5(H) mm
Weight	160 g