

Datasheet

Linksys AE1000 High Performance Wireless-N USB Adapter



Selectable Dual-Band (2.4 GHz or 5 GHz)

Linksys AE1000 High Performance Wireless-N USB Adapter

From the worldwide leader in wireless networking

Features

- · WPA, WPA2, and other enhanced security features
- Stream your stored content to devices around your home
- Up to 300 Mbps wireless speeds*
- 5 GHz band avoids interference from 2.4 GHz wireless networks

Specifications	
Model Name	Linksys AE1000
Description	High Performance Wireless-N USB Adapter
Model Number	AE1000
Standards	802.11n, 802.11a, 802.11b, 802.11g
LEDs	Link/Act
Number of Antennas	2 Internal Antennas
Transmitted Power	2.4 GHz @ 11 Mbps data rate: 18 dBm \pm 1.5 dBm 2.4 GHz @ 54 Mbps data rate: 14 dBm \pm 1.5 dBm 5 GHz @ 54Mbps data rate: 12 dBm \pm 1.5 dBm 2.4 GHz, 11N (MCS0, HT20/40): 18 dBm \pm 1.5 dBm 2.4 GHz, 11N (MCS8, HT20/40): 18 dBm \pm 1.5 dBm 2.4 GHz, 11N (MCS15, HT20/40): 12 dBm \pm 1.5 dBm 5 GHz, 11N (MCS0, HT20/40): 16 dBm \pm 1.5 dBm 5 GHz, 11N (MCS8, HT20/40): 16 dBm \pm 1.5 dBm 5 GHz, 11N (MCS15, HT20/40): 10 dBm \pm 1.5 dBm 5 GHz, 11N (MCS15, HT20/40): 10 dBm \pm 1.5 dBm
Receive Sensitivity	-84 dBm @ 11 Mbps -70 dBm @ 54 Mbps -83 dBm @ 2.4 GHz/5 GHz, MCS0, HT20 -80 dBm @ 2.4 GHz/5 GHz, MCS0, HT40 -83 dBm @ 2.4 GHz/5 GHz, MCS8, HT20 -80 dBm @ 2.4 GHz/5 GHz, MCS8, HT40 -65 dBm @ 2.4 GHz/5 GHz, MCS15, HT20 -62 dBm @ 2.4 GHz/5 GHz, MCS15, HT40
Antenna Gain in dBi	802.11a: 5 GHz => 4 dBi 802.11g: 2.4 GHz => TX0: 0.5 dBi, TX1: 1.4 dBi
Power Consumption	TX (2.4 GHz): 330 mA, HT20; 340 mA HT40 at 5V TX (5 GHz): 400 mA, HT20; 430 mA HT40 at 5V RX (2.4 GHz): 140 mA, HT20; 160 mA HT40 at 5V RX (5 GHz): 150 mA, HT20; 180 mA HT40 at 5V Standby: 150 mA Radio Off: 20 mA
Security Features	WEP, WPA and WPA2 Personal, WPA and WPA2 Enterprise
Security Key Bits	Up to 128-Bit Encryption

Environmental	
Dimensions	3.15" x 1.00" x 0.49" (79.9 x 25.4 x 12.4 mm)
Weight	0.39 oz (11 g)
Certification	FCC, CE, IC, UL, RoHS, WEEE, IDA, C-Tick, Wi-Fi A/B/G/N
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-4 to 158°F (-20 to 70°C)
Operating Humidity	10 to 85% Noncondensing
Storage Humidity	5 to 90% Noncondensing

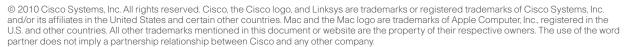
Minimum System Requirements

- Desktop or laptop PC with 1 GHz or faster processor and 512 MB or more RAM
- · Available USB 2.0 port
- · Windows: XP SP3, Vista SP1, Win7

Package Contents

- · Linksys AE1000 High Performance Wireless-N USB Adapter
- · Setup Software and User Guide on CD-ROM
- · Stand for optimal wireless signal coverage with USB extension cable

Specifications are subject to change without notice.





^{*}The maximum performance for wireless is derived from IEEE Standard 802.11 specifications. Actual performance can vary, including lower wireless network capacity, data throughput rate, range and coverage. Performance depends on many factors, conditions and variables, including distance from the access point, volume of network traffic, building materials and construction, operating system used, mix of wireless products used, interference and other adverse conditions.