



# Datasheet

## **Linksys AE1000** | High Performance Wireless-N USB Adapter



Selectable Dual-Band (2.4 GHz or 5 GHz)



## 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
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

\*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.

Specifications are subject to change without notice.

© 2010 Cisco Systems, Inc. All rights reserved. Cisco, the Cisco logo, and Linksys are trademarks or registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries. Mac and the Mac logo are trademarks of Apple Computer, Inc., registered in the U.S. and other countries. All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company.