

WX-7800A

Wireless 802.11a+g Dual-Band Access Point



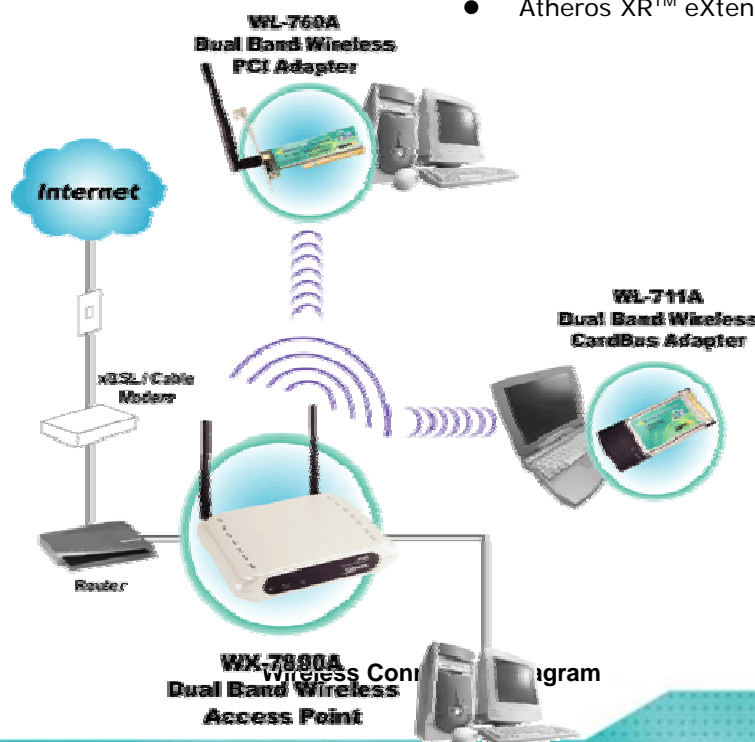
SparkLAN WX-7800A Wireless 11a+g Dual-Band Access Point can be accessed in all three 802.11 wireless networks. WX-7800A contains two separate wireless connectivity radio transceivers, which support all three popular wireless networking specifications. One of the two transceivers uses 2.4GHz frequency band and supports both wireless 802.11b and 802.11g, which offers up to 11Mbps and 108Mbps data rate respectively. The other transceiver uses 5GHz frequency band and supports wireless 802.11a, also up to 108Mbps. Since two radio waves operate in different frequency bands, they can work simultaneously and cover your wireless zone with high-speed performance. In terms of security, WX-7800A offers up to 152-bit WEP Encryption and also includes MAC address filtering, which allows you to assign Internet Access to those you permit. The configuration and installation is made to be simple and fast following the web browser-based setup wizard.

PRODUCT HIGHLIGHTS

- Supports all 802.11a, 802.11b and 802.11g networks
- Wireless link speeds up to 108Mbps
- MAC address Filtering and enhanced 128-bit WEP Encryption
- Web-based management and easy setup wizard

FEATURES & BENEFITS

- Provide High performance universal wireless network connectivity
- Ideal for multi-media data transmission with high speed wireless performance
- Easy and fast installation and setup
- WDS: AP, Bridge, P2P &P2MP Repeater, and AP Client
- Atheros XR™ eXtended Range technology



SPECIFICATIONS

INTERFACE	
Ethernet LAN	One 10/100Base-T Ethernet switch port (auto sensing)
LED Indicators	LED x4: Power, LAN, 11a link/Act, 11g link/Act
Antenna	Detachable antenna 802.11a: 2dBi (Peak Gain), 802.11b/g: 2dBi (Peak Gain)
Reset Button	Reset to default setting (hold the reset button after 6 sec)

RADIO CHARACTERISTICS	
Standard	IEEE 802.11a 802.11b and 802.11g for WLAN
Frequency Bands	802.11a : US:UNI-Band 5.15~5.35GHz EU:UNI-Band 5.15~5.35GHz UNI-Band 5.47~5.725GHz 802.11b/g : ISM-Band 2.412~ 2.4835GHz
Modulation Tech	802.11a/g: OFDM 802.11b: CCK,DQPSK, DBPSK
Media Access Protocol	CSMA/CA with ACK
Transmit Power	Adjustable 802.11a: Max 16dBm@16QAM R3/4 802.11g: Typ. 16dBm@Normal Temp Range 802.11b: Typ. 18dBm@Normal Temp Range
Receive Sensitivity	802.11a: 6Mbps 10-5 BER @ -91dBm; 54Mbps 10-5BER @ -72dBm; 108Mbps 10-5BER @ -69dBm 802.11g: 11 Mbps 10-5 BER @ -85dBm; 54 Mbps 10-5 BER @ -72dBm; 108Mbps 10-5BER @ -69dBm
Data Rates	802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1Mbps, auto fallback 802.11g & 802.11a: 108, 54, 48, 36, 24, 18, 12, 9, 6 Mbps
Operating Range	802.11b: up to 300m (Outdoor), 35-60m (Indoor) 802.11g: up to 50m (Outdoor), 20m (Indoor) 802.11a: up to 300m (open space), 100m (indoor) * The performance various depend on environment.

SOFTWARE FEATURES	
Protocol Support	TCP/IP, IPX, NetBEUI, DFS(Dynamic Frequency Selection), TPC(Transmit Power Control)
Management	Built-in HTTP Server for setup and remote management via any browser
Security	Up to 64bit/128/152-bit WEP & WPA, 802.1x Radius Client MAC address filtering
Operating mode	AP, AP Client, Repeater, P2P & P2MP Bridge

ENVIRONMENTAL SPECIFICATIONS	
Dimension	195x160x27mm (LxWxH)
Weight	700g
Temperature	0°C to 40°C(Operating), -20°C to 70°C(storing)
Humidity	95% Non-condensing

POWER SUPPLY	
Input	Input: AC 85~132V, 0.35A
Output	Output: DC 5V, 2.5A

CERTIFICATION	
FCC class B; CE Mark	

WARRANTY	
1 Year	

PACKAGE CONTENTS	
■ One Wireless AP Router	■ One CD-ROM with User Guide
■ One DC Power Adapter	■ One Quick Installation Guide

RELATED PRODUCTS



**WL-711A Wireless 11a+g
CardBus Adapter**



**WL-785A Wireless 11a+g
USB Dongle**