

WX-6800

Wireless 11g Multi-Function AP

2nd Generation WX-6800 is a Wireless 11g Multi-Function Access Point from SparkLAN. Operating in 2.4GHz band, users can connect their 11b or/and 11g devices to the wireless network through WX-6800.

Its advanced Turbo XPress setting exceeds the performance of traditional 54Mbps; it is more desirable for large file download, video conferencing, and multi-media transmissions.

Different from other access points, SparkLAN WX-6800 also supports wireless links between AP's known as the Wireless Distribution System (WDS). In other words, with the WDS functionality, Access Points can talk to one another in Point-to-Point or Point-to-Multi-Point fashion via a configurable wireless link.

The new WX-6800 can also be configured to AP-Client Mode. Other than 128-bits WEP Encryption, Wi-Fi Protected Access (WPA) is included for more dynamic data packet protection.



Product Highlights

- Simultaneously supports both IEEE 802.11b and 802.11g devices and networks
- Operating in 2.4 GHz band; advanced Turbo XPress exceeds the performance of traditional 54Mbps
- WDS enables wireless bridging & repeater modes
- AP Mode or AP-Client Mode Selection
- Up to 128-bits WEP Encryption
- Support WiFi Protected Access
- MAC address filtering enhancement
- Supports VPN pass through
- Web-based management

Features & Benefits

- Dual mode capability protects your 802.11b wireless investment and has you ready for the 802.11g
- Turbo Mode speeds up your 802.11g network
- WDS extends the wireless coverage
- AP Mode: Point-to-Point or Point-to-Multi-Point
- AP-Client: Acts as Network Adapter for Notebook or Desktop
- Enhance the user network security
- WPA dynamic key provides better data security than traditional static key
- Intuitive Web-based management makes easy configuration and maintenance

Wireless & Security

WX-6800 Specifications

INTERFACE	
Ethernet LAN	one 10/100,Auto-Crossover(MDI/MDI-X) Port
LED Indicators	LED x3: Power, LINK, ACTIVE
Antenna	3dBi gain Antenna
Standard	IEEE 802.3, 802.3u, 802.11b and 802.11g
Reset Button	Reset to default setting (hold the reset button after 6 sec)
RADIO CHARACTERISTICS	
Standard	IEEE 802.11b and IEEE 802.11g standards
Frequency Bands	2.412~ 2.4835GHz ISM Band
Modulation	802.11b: 11Mbps & 5.5Mbps CCK; 2Mbps: DQPSK; 1Mbps: DBPSK 802.11g: OFDM
Media Access Protocol	CSMA/CA with ACK
Transmit Power	15 dBm±1 @ Nominal Temp Range (Maximum)
Receive Sensitivity	11 Mbps 10-5 BER @ -80dBm; 54 Mbps 10-5 BER @ -65dBm
Data Rates	802.11b: 11Mbps, 5.5Mbps, 2Mbps, 1Mbps, auto fallback 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps; Support Advanced Turbo XPress
Operating Range	802.11b: 11Mbps Up to 300m (Outdoor), 35-60m (Indoor) 802.11g: 54Mbps up to 50m (Outdoor), 20m (Indoor) * The performance various depend on environment.
Number of Channels	USA and Canada – 11, China and Europe – 13, Japan – 14
SOFTWARE FEATURES	
Management	HTTP, SNMP
Support	DHCP Client, Roaming in the same sub-network, Basic Rate Setting, Configuration Backup/Restore, Web-base firmware upgrade, Wireless Distribution System
Security	64bit/128bit WEP, MAC Address Filter, Enable/Disable SSID Broadcast, WPA support, VPN pass through
Operation Modes	AP, Bridge, Repeater and AP-Client modes
Protocol Support	TCP/IP, IPX/SPX, NetBEUI
ENVIRONMENTAL	
Dimension	142x101x36.9mm (LxWxH)
Weight	330g
Temperature	0°C to 40°C(Operating) , -20°C to 70°C(Storage)
Humidity	90% maximum (Non-condensing)
POWER SUPPLY	
Input	Input: AC 100~240V, 0.35A, 50Hz~60Hz
Output	Output: DC 4.7V~5.3V, 2A
CERTIFICATION	
	FFC class B; CE Mark
WARRANTY	
	1 year
PACKAGE CONTENTS	
• 1 x Wireless 11g Multi-Function AP	• 1 x CD-ROM with User Guide
• 1 x AC/DC Power Adapter	• 1 x Quick Installation Guide
• 1 x RJ45 Cat.5 UTP cable	