

wireless

# EZ Connect™

## 802.11a Wireless Access Point

Model Number: SMC2755W



The SMC EZ Connect 802.11a Wireless Access Point (SMC2755W) is based on the new IEEE 802.11a wireless standard and provides the perfect wireless connectivity for both home and business users. Using an enhanced "turbo mode" feature, this new Wireless Access Point can transfer data at speeds up to 72Mbps, which is 7-times faster than 802.11b-based devices, and can also support a maximum operating range up to 1,650 feet. By using a built-in Web-based interface, you can configure and manage the new SMC EZ Connect 802.11a Access Point to successfully integrate a high-speed wireless connection into your existing wired network.

128-bit WEP, and provides an extra security feature with 152-bit WEP. Designed to operate in the 5GHz frequency spectrum, this Access Point can communicate without interference from other devices, such as 802.11b devices, Bluetooth products, and cordless phones, which communicate in the crowded 2.4GHz range. The SMC EZ Connect Wireless Access Point provides connections at such an amazing speed that it can handle such applications as streaming video, voice communication, and other bandwidth-intensive programs. Combine these features with simple Plug-and-Play support and Web-based management and you have the perfect solution for any of your wireless network needs.

The SMC EZ Connect 802.11a Wireless Access Point (SMC2755W) supports up to 64 simultaneous wireless network connections and is fast enough to replace a wired connection. To provide network security, this new 802.11a Access Point supports encryption using both 64-bit and

### Overview

#### Features

- 802.11a High Speed Wireless LAN connection
- Operates in the Uncrowded 5GHz UNII Frequency Spectrum
- Advanced Security through 64-bit/128-bit/152-bit WEP Encryption and Mac Address Filtering
- Plug-and-Play configuration that is simple and easy to use.
- Supports a Maximum of 64 Simultaneous Users

#### Benefits

- Enhanced "turbo mode" communication supports up to 72 Mbps, which is 7 times faster than a standard 802.11b WLAN device.
- Fast enough to replace a standard wired connection, 802.11a communication can handle streaming audio and video, voice, data, and other bandwidth-intensive applications without compromising performance or reliability.
- Unlike the cluttered 2.4GHz ISM frequency band, the 5GHz spectrum is clean and without interference from 802.11b or Bluetooth devices, microwave ovens, or cordless phones.
- Easy and convenient web-browser configuration and management
- 64-bit/128-bit/152-bit WEP Encryption and MAC address filtering provide secure data communication across the network.

#### Compatibility

- IEEE 802.11a
- Windows 98/Me/NT/2000/XP

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SPECIFICATIONS

### SMC2755W

#### Data Rates

6,9,12,18,24,36,48,54,72 Mbps

#### Operating Range

Indoor:

180 ft @ 6 Mbps  
120 ft @ 24 Mbps  
60 ft @ 54 Mbps

Outdoor:

135 ft @ 54 Mbps  
800 ft @ 24 Mbps  
1650 ft @ 6 Mbps

#### Modulation Type

OFDM (BPSK,QPSK,16-QAM,64-QAM)

#### Frequency Band

5.15 ~ 5.25GHz (lower band) for US/Canada, Japan  
5.25 ~ 5.35GHz (middle band) for US/Canada

#### Roaming

Supports multiple access points  
roaming connectivity

#### Ethernet

Ethernet IEEE 802.3 & 802.3u 10/100 Mbps

#### Operating Channels

8 channels in base mode (US, Canada)  
3 channels in turbo mode  
5 channels (Japan)

#### Encryption

64/128/152-bit WEP encryption

#### Dimensions

7.375 x 5.25 x 1in.

#### Weight

0.27 lbs

#### Antenna

2 external antennas

#### LEDs

Power  
Link  
Wireless Link

#### Standards

802.3  
802.3u  
802.11a

#### Temperature

Operating: 0° - 55° C  
Storage: -40° - 65° C

#### Humidity

5% - 95% (non-condensing)

#### Power Adapter

Input 100-240V ~0.7A 47~63Hz.  
Output 3.3V DC,4.0A

#### Regulatory Compliance

##### Safety

UL 1950-3  
CSA 950-95

##### EMI

FCC part 15 15.407(b)  
CISPR 22-96

##### SAR

FCC 15.407(f)  
RSS 102

##### Power Limit

FCC 15.407(a)  
IC RSS 210  
TELEC

##### ESD

EN61000-4-2

#### Warranty

Limited lifetime

\* Distance thresholds can be drastically reduced by environmental interference. For questions regarding likely-case wireless ranges please visit us on the web at [www.smc.com](http://www.smc.com) or call us toll-free at 1-800-SMC-4YOU

| Product  | Description                              |
|----------|--|
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