

WX-5520A WLAN Dual Band AP

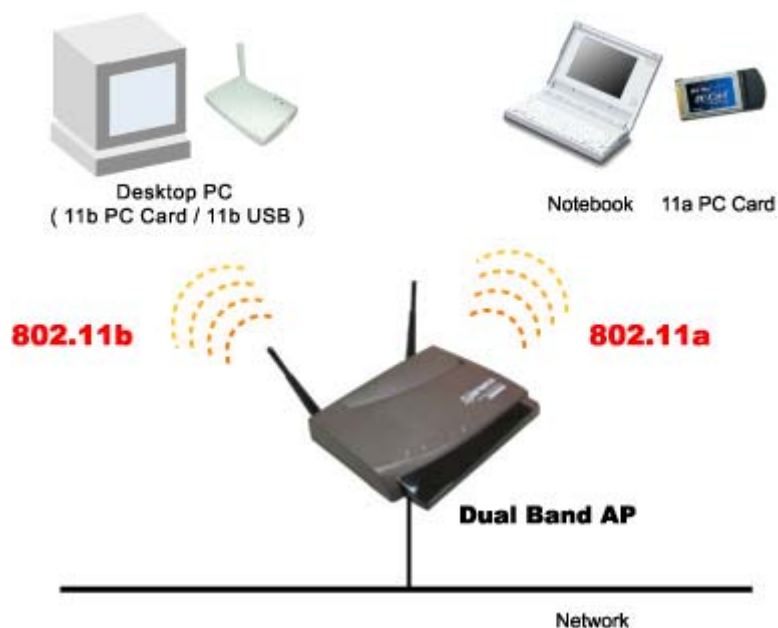


- Bridges 2.4Ghz and 5Ghz network connections
- Provides easy-to-use web-based management
- Supports 802.11a standard data rate and proprietary techniques to exceed 54 Mbps
- Maximizes security protection with scalable WEP encryption: 152-bit to 128-bit and 64-bit WEP

Gemtek offers WLAN users the convenience of using their preferred frequency whenever they need it. Whether operating on the recent IEEE 802.11a 5GHz for high-speed resolution or the popular IEEE 802.11b 2.4GHz for mass access, WX-5520A provides the power to manage bandwidth efficiently.

The WX-5520A is an economical option because it enables dual band wireless while eliminating the huge expense of managing two standard systems simultaneously. The result is a hassle-free wireless high-speed broadband environment.

Gemtek's dual band AP solution also offers an easy upgrade path for expanding available bandwidth. Building upon the inherent high quality of 802.11a operations in the interference-free 5-GHz band, Gemtek's dual mode WLAN AP opens the door to the wide-scale deployment of wireless networks.



General Specifications

<p>Product Name</p> <p>Wireless Dual Band Access Point</p>	<p>Dimensions</p> <p>195 mm x 160 mm x 27 mm</p>
<p>Model Number</p> <p>WX-5520A</p>	<p>Weight</p> <p>525g</p>
<p>Media Access Protocol</p> <p>CSMA/CA with ACK</p>	<p>Temperature Range</p> <p>0~40°C (operating), -10~65°C (storing)</p>
<p>Management & Firmware Upgrade</p> <p>Web-based management for easy configuration</p> <ul style="list-style-type: none"> - Microsoft Internet Explorer/Netscape - ESSID, full channel support - Web page firmware upgrade 	<p>Humidity</p> <p>15%~95%</p>
<p>LED Indicators</p> <p>RF Activity, LAN activity and Power on the front panel</p>	<p>Power Adapter</p> <p>Input: AC 100~240V, 0.5A, 50Hz~60Hz</p> <p>Output: DC 5.0V, 2.0A</p>
<p>Ports</p> <p>Wired LAN – 10/100Mbps RJ-45 jacks</p>	<p>Accessories</p> <p>AC adapter, power cord, Cat.5 cable, and User's manual</p>
<p>IEEE 802.11b/a Roaming</p> <p>Supports all Wi-Fi certified client adapters to move from one AP coverage area to another</p>	<p>Support Protocol</p> <p>NetBEUI, TCP/IP, IPX Network</p>

	802.11a 5GHz	802.11b 2.4GHz
Frequency Range	5.15GHz to 5.35GHz Unlicensed National Information Infrastructure (U-NII) frequency band (subject to local regulations)	2.4GHz to 2.4835GHz ISM bandwidth (subject to local regulations)

Number of Channels	5.15 ~ 5.25GHz (lower band) Four 20MHz Channels; 5.25 ~ 5.35GHz (middle band) Four 20MHz Channels	USA, Canada and Taiwan – 11; Japan – 14 (Defined by domain setting) Most European Countries – 13; France – 4
Data Rate	54, 48, 36,24,18,12, 9, 6 Mbps per channel	11Mbps, 5.5Mbps, 2Mbps and 1Mbps
Modulation	BPSK, QPSK, 16 QAM, and 64 QAM	CCK, DQPSK, and DBPSK
Tx Power	+17dBm	+15dBm
Rx Sensitivity Typical	6Mbps 10-5 BER @ -88 dBm, 9Mbps 10-5 BER @ -87 dBm, 12Mbps 10-5 BER @ -86 dBm 18Mbps 10-5 BER @ -84 dBm, 24Mbps 10-5 BER @ -81 dBm 36Mbps 10-5 BER @ -77 dBm 48Mbps 10-5 BER @ -72 dBm 54Mbps 10-5 BER @ -68 dBm	1Mbps 10 ⁻⁵ BER@ -88dBm 2Mbps 10 ⁻⁵ BER@ -86dBm 5.5Mbps 10 ⁻⁵ BER@ -83dBm 11Mbps 10 ⁻⁵ BER@ -80dBm
Antenna	3.0 dBi	1.0 dBi gain
Security	64,128,152-bit WEP encryption Password, Mac access control	64 and 128-bit WEP encryption password, Mac access control