WX-5541

Dual-Band A+G Access Point

WX-5541 is a special design for local network users to share networking resource. With a web-based UI (User Interface), the AP is easy to setup and maintain. All functions can be configured with this exclusive, easy and friendly User Interface via web browsers. It also supports a setup wizard for users to configuration as easy as possible.

Main features:

AP

- Supports 11a, 11b, and 11g interface and can be accessed simultaneously.
- Supports NetBEUI, TCP/IP, IPX Network Protocol
- Configurable through Your Networked PC's Web Browser
- Supports setup wizard for user to configure the device as easy as possible.
- Supports Auto MDI-X 10/100 Base-T on the WAN.

Hardware

- 10/100 Base-T with auto sensing Full duplex (RJ45) connector
- For 802.11a interface, supports Unlicensed National Information Infrastructure (U-NII) frequency band, 5.15GHz to 5.35GHz (subject to local regulations)
- For 802.11g interface, it supports 1-11 channels for North America , 13 for Europe(ETSI) and 14 for Japan; on 11 g mode it supports 1-11 channels for North America , 13 for Europe(ETSI) and 14 for Japan.

Security and Management

- Password protected configuration or management sessions for web access
- Built-in HTTP Server for setup and remote management via any browser easily
- For 11a, it supports 64/128/152bit WEP encryption. For 11b and 11g, it supports 64/128 WEP encryption.

Gemtek
Wireless Broadband Anywhere

General Specifications

Product Name
Dual Band A+G Access Point

Model Number
WX-5541

Spreading
OFDM

Frequency Range
2.4GHz~2.4835GHz *(subject to local regulations)*
5.15GHz~5.35GHz

Number of Channels
For 802.11a : 8
802.11b, 802.11g
USA, Canada – 11
Most European Countries – 13
Japan – 14

Data Rate
802.11a:
54, 48, 36,24,18,12, 9, 6 Mbps per channel
802.11b:
11Mbps, 5.5Mbps, 2Mbps and 1Mbps
802.11g:
54, 48, 36,24,18,12, 9, 6 Mbps per channel

Transmit Power
802.11a: Max. 16dBm @ 16QAM R3/4
802.11g: Typ. 14dBm @ Normal Temp Range
802.11b: Typ: 16dBm @ Normal Temp Range

Receive Sensitivity
802.11a:
Nominal Temp Range:
- 6Mbps 10-5 BER @ -88dBm,typical
- 9Mbps 10-5 BER @ -86dBm, typical
- 12Mbps 10-5 BER @ -85dBm, typical
- 18Mbps 10-5 BER @ -83dBm, typical
- 24Mbps 10-5 BER @ -80dBm, typical
- 36Mbps 10-5 BER @ -76dBm, typical
- 48Mbps 10-5 BER @ -71dBm, typical
- 54Mbps 10-5 BER @ -67dBm, typical

802.11g: @8% PER
<= -80 dBm @ 11Mbps
<=-66 dBm Typical,
-65dBm Minimum @ 54Mbps

Network Management
Web-based U/I management
Setup Wizard

Security
64/128-bit WEP (802.11b & g)
64/128/152-bit WEP (802.11a)
MAC address filtering

Standards
IEEE 802.11a,b and g for Wireless LAN
IEEE 802.3 for Wired LAN

Network Protocol
NetBEUI, TCP/IP, IPX

Antenna
802.11a: 5.2 G => 4.0dBi
802.11g: 2.4 G => 1.3dBi

LED Indicators
Power; Diag
LAN:
Link/Act; Full/Col; 100
WLAN:
802.11a:Link/Act
802.11g:Link/Act

Ports
10/100 Mbps RJ-45 connector for wired LAN

Temperature Range
0~40°C(operating), -20~70°C (storing)

Humidity
Operating Humidity:
10% to 85% Non-Condensing
StorageHumidity:
5% to 90% Non-Condensing

Power Adapter
Input: AC85~132V, 0.35A
Output DC 5V , 2.5A

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