Specifications

Standards Compliance
IEEE 802.11 silicon to non-standard; IEEE 802.3; IEEE 802.3u; IEEE802.3af (option)

SDRAM
64 MByte

Flash
16 MByte

Radio Frequency Type
Proprietary 700MHz based on 802.11b/g DSSS/OFDM

Modulation
IEEE 802.11b: CCK, DQPSK, DBPSK
IEEE 802.11g: OFDM with BPSK, QPSK, 16QAM, 64QAM

Operating Modes
3 options by programming:
- Peer-to-Peer (Bridge) (up to 4 points)
- Base (AP) (unlimited client; max. 30 is recommended while 20 is optimized)
- CPE (client)

Frequency Band
707~722 MHz (4 channels)

Transmission Power
802.11b: 28dBm@1~11Mbps
802.11g: 21dBm@54Mbps; 23dBm@48Mbps; 25dBm@36Mbps; 27dBm@6~24Mbps

Transmission Rate
IEEE802.11b: 1/2/5.5/11Mbps
IEEE802.11g: 6/9/12/18/24/36/48/54Mbps

Access Point Interfaces
Auto sensing MDI/MDI-X Ethernet 10/100Base-TX: RJ-45

Sensitivity
IEEE 802.11b: -93dBm @ 1Mbps; -87dBm @ 11Mbps, PER < 8%
IEEE 802.11g: -90dBm @ 6Mbps; -70dBm @ 54Mbps, PER < 10%

Antenna Type
N-type external high gain antenna

Security Systems
64-bit/128-bit/152-bit WEP encryption;
Wi-Fi Protected Access (WPA)/ WPA2

Wireless Setting
Operation Mode – AP/ Client / Wireless Bridge (WDS) : PtP and PtMP
Channel Bandwidth adjustable
Adjustable transmit power

Software/Firmware
Site Survey
DHCP Client
Suppressed SSID
Isolate Connected CPEs
Spanning Tree settings
<table>
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<th>Feature</th>
<th>Highlights</th>
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<tbody>
<tr>
<td>Operating Environment</td>
<td>Operating Temperature: -30 ~ +70°C</td>
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<tr>
<td>Power</td>
<td>DC 48 Volt ± 5%; 1A (Max.) AC adapter AC 100V ~ 240V</td>
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<tr>
<td>Operating Environment</td>
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<tr>
<td>Network Management</td>
<td>System OS Support</td>
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<td></td>
<td>Windows 2000/XP/Vista Home BASIC</td>
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<tr>
<td>Warranty</td>
<td>One year limited</td>
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<td>Feature</td>
<td>Highlights</td>
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<tr>
<td></td>
<td>700MHz ISM band, better non-LOS capability</td>
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<td></td>
<td>600mW/28dBm, 802.11g/b, up to 7Km, 22Mbps</td>
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<td>Advanced LED signal status indicator for easy site survey and antenna alignment – LED RSSI</td>
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<td></td>
<td>3 operating options: Peer-to-Peer (Bridge), Base (AP), CPE (client)</td>
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<td>16 + 64MB huge memory for professional operations</td>
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<td></td>
<td>Support V-LAN, SNMP v2, DHCP client, spanning tree, web-based GUI, user isolation…</td>
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<td>Channel bandwidth adjustable</td>
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