AirMax DUO Lite

802.11a/b/g Dual Radio Base Station

- 802.11a/b/g Dual Radio Base Station
- 1 x 11a Radio + 1 x 11a/b/g Radio
- 2 x N-TYPE Connectors
- 5GHz + 2.4GHz
- IP-65 ABS Housing
- 802.3af PoE for Easy Installation
- 14 Wireless Modes
- Virtual AP and Tag VLAN Support
- HTTPS, SNMP, SSH Managements

The AirMax DUO Lite is the lightweight version of AirLive Base Station that incorporates everything we know about wireless - a feat from the company that invented the first multi-function AP. From its firm IP-65 case to the incredible easy-to-use AirLogic interface, it is meticulously designed inside out to be a powerful device you can use and rely on.

Hi-Power Dual Band

The AirMax DUO Lite includes 2 radios that can deliver up to 23dBm Peak Power. The Radio1 works in 11a mode while Radio2 work in 11a/b/g mode. This combination allows one radio for backbone link while the other radio works as the AP for WISP clients.
**PPPoE Authentication Serve**

The AirMax DUO Lite is equipped with PPPoE authentication server. WISP operators can use the built-in local accounts or use a remote radius server for account management. The AirMax DUO Lite combines authentication, backbone, and base station into one single device.

**Perfect for Bridge and Dual Band AP Application**

The AirMax DUO Lite is easy to setup for bridge applications to connect 2 separated network wirelessly. For short distance bridge, the built-in Duplex mode can bind 2 wireless radios together to maximize the link speed. For long distance Bridge application, simply turn off one radio and get up to 25km distance.

**Dual Band or 2.4GHz only**

The AirMax DUO Lite works in Dual Band mode by default. But if you only need the 11g/b function, you can choose the “2.4GHz” only mode and the AirMax DUO will turn into a simple 2.4GHz AP instantly.
AirLogic System Architecture

The AirMax DUO Lite software system is built upon the new AirLogic software architecture. The underlaying system core is our legendary wireless engine that offers superior performance and rich set of functions. It features firmware recovery system, 14 wireless modes, virtual AP, Tag VLAN, bandwidth control, and over 100 other features that make AirLive wireless products famous in the industry. The AirLogic Web Interface integrates all these powerful functions into an extremely easy to use multi-language interface that can change language instantly at any page.

One Choice for All Wireless Applications

If your application requires strong and robust standard, both to software and hardware; but you don’t know which device to choose, AirMax DUO Lite is the choice for you. With 14 wireless operation modes and hundreds of feature, you cannot go wrong with the AirMax DUO Lite. In addition, it uses the same software interface as our AirMax2 and AirMax5. Together, they form the most powerful and cost effective wireless extended range solution.

Specifications

| Feature | - 1 x 11a Radio + 1 x 11a/b/g Radio  
- High Output Power in 11a(23dBm peak) and 11g/b Mode (23dBm in America, 20dBm in EU)  
- Up to 14 Wireless Operation Modes  
- 1 LAN Ports  
- 2 N-Type Antenna connectors  
- PPPoE Server  
- HTTPS, WEB, Telnet, SNMP, and SSH managements  
- WDS Site Survey and RSSI Signal Survey  
- Multi-SSID, VLAN, SNMP  
- Bandwidth Control, TOS, and WMM  
- PoE support by one LAN port  
- ABS robust Housing  
- 2 x N-Type antenna connectors  
| Frequency Range | - WLAN1(Radio 1)  
- 802.11a : 5.470-5.725 GHz  
- WLAN2 (Radio 2)  
- 802.11b/g:2.412-2.472 GHz  
- 802.11a : 5.470-5.725 GHz  
| Frequency Channel | - WLAN1(Radio 1)  
- 802.11a  
- USA (FCC) : 12  
- Europe (ETSI) : 12  
- WLAN2(Radio 2)  
- 802.11b/g  
| Hardware | - Dual wireless interface 11a, 11a/b/g + 11a, operation simultaneously.  
- RoHS compliant  
- IEEE 802.3af (PoE) compliance  
- 8MB Flash, 32MB SDRAM  

Manufacturer
OvisLink Corp.
5F, No.96, Min-Chuan Rd., Hsin-Tien Dist., New Taipei City 231, TAIWAN
www.airlive.com
Power Supply
- 48V/0.4A Power Over Ethernet Adapter

Modulation Technology
- IEEE802.11a 5GHz OFDM
- IEEE802.11b 2.4GHz CCK
- IEEE802.11g 2.4GHz OFDM

Wireless transfer Data Rate with Automatic Fallback
- 802.11b: 1, 2, 5.5, 11Mbps
- 802.11g: 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54Mbps
- 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps

Output Power
- 802.11a
  - 54 Mbps @ 17dBm
  - 48 Mbps @ 18dBm
  - 36 Mbps @ 19 dBm
  - 6, 9, 12, 18, 24 Mbps @ 23 dBm

- 802.11g
  - 54 Mbps @ 19dBm
  - 48 Mbps @ 20dBm
  - 36 Mbps @ 21 dBm
  - 6, 9, 12, 18, 24 Mbps @ 23 dBm

RSSI
- 802.11a
  - 6Mbps @ -92 dBm
  - 9Mbps @ -89 dBm
  - 12Mbps @ -88 dBm
  - 18Mbps @ -86 dBm
  - 24Mbps @ -82 dBm
  - 36Mbps @ -79 dBm
  - 48Mbps @ -73 dBm
  - 54Mbps @ -71 dBm

- 802.11g
  - 6Mbps @ -90 dBm
  - 9Mbps @ -88 dBm

Software
- Wi-Fi, WPA compatible interoperability
- WPA-PSK, WPA2-PSK, and Radius Support
- 8 WDS Entries, Bridge Infrastructure Mode, 802.1d Spanning
- 14 Operation Modes
- SNMP v1/v2 support
- SSH, SSH2, HTTPS, Telnet, and Web Managements
- Support adjustable output power
- Client Isolation supported, Hide SSIDree
- Distance and ACK Timeout setting
- User Limitation (Static Load Balancing)
- Ping Watchdog, DFS Control, 802.11d Global Roaming
- PPPoE Server, Access Control List
- Multiple SSID, VLAN, TOS
- Device Status: Memory Usage, CPU Consumption, ARP Table
- Traffic Status: Trasmit/Receive/Error Packets, Wireless Client Table
- 152-bit WEP support (Atheros Proprietary)
- Multiple DMZ, Virtual Server, Special Application(Trigger Port), IP Filtering
- Site Survey and Signal Survey connection wizard
- Disable NAT, RIP, Static Route
- Bandwidth Control by IP, IP Group, MAC Address, and P2P(router mode)
- DDNS, NTP Server, UPnP, Syslog Ping and Tracerouter utilities
- Bootloader Protection and Emergency Firmware Upload Code in bootloader
- Firmware Upgrade and Configuration Backup/ Restore

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## Operation Modes

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<th>Mode</th>
<th>Radio 1 (11a)</th>
<th>Radio 2 (11a/b/g)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dual AP</td>
<td>Access Point</td>
<td>Access Point</td>
</tr>
<tr>
<td>Duplex</td>
<td>WDS Bridge</td>
<td>WDS Bridge</td>
</tr>
<tr>
<td>Dual WDS Bridge</td>
<td>WDS Bridge</td>
<td>WDS Bridge</td>
</tr>
<tr>
<td>Separate Bridge</td>
<td>WDS Bridge</td>
<td>WDS Bridge</td>
</tr>
<tr>
<td>AP + Client</td>
<td>Access Point</td>
<td>Wireless Client</td>
</tr>
<tr>
<td>Client + AP</td>
<td>Wireless Client</td>
<td>Access Point</td>
</tr>
<tr>
<td>AP + WDS Bridge</td>
<td>Access Point</td>
<td>WDS Bridge</td>
</tr>
<tr>
<td>WDS Bridge + AP</td>
<td>WDS Bridge</td>
<td>Access Point</td>
</tr>
<tr>
<td>WDS + Gateway</td>
<td>WDS Bridge</td>
<td>Gateway (AP Router)</td>
</tr>
<tr>
<td>Gateway + WDS</td>
<td>Gateway (AP Router)</td>
<td>WDS Bridge</td>
</tr>
<tr>
<td>AP + Gateway</td>
<td>Access Point</td>
<td>Gateway (AP Router)</td>
</tr>
<tr>
<td>Gateway + AP</td>
<td>Gateway (AP Router)</td>
<td>Access Point</td>
</tr>
<tr>
<td>AP + WISP</td>
<td>AP Router</td>
<td>WISP Bridge</td>
</tr>
<tr>
<td>WISP + AP</td>
<td>WISP mode</td>
<td>AP Router</td>
</tr>
</tbody>
</table>

## Certificate
- FCC, CE

## Product Weight (g)
- 1065 g (without antennas)

## Product Size (L x W x H (mm))
- 225 x 122 x 225 mm