AirMax5

802.11a 108Mbps Wireless Outdoor CPE

- **802.11a 108Mbps Wireless Outdoor CPE**
- **Built-in 14dbi antenna**
- **23dBm 11a Output Power**
- **Antenna Alignment LED**
- **Super Channel Support**
- **5/10/20/40MHz Channel Width**
- **AP, Bridge, Client, Router, WISP modes**
- **Bandwidth Control, Multiple SSID, Tag VLAN**
- **Powered by Advanced Passive PoE**
- **Field tested at 20km distance with built-in antenna**

5GHz	Super-A	Turbo-A	PoE	14dBi Antenna	802.11h	R-SMA

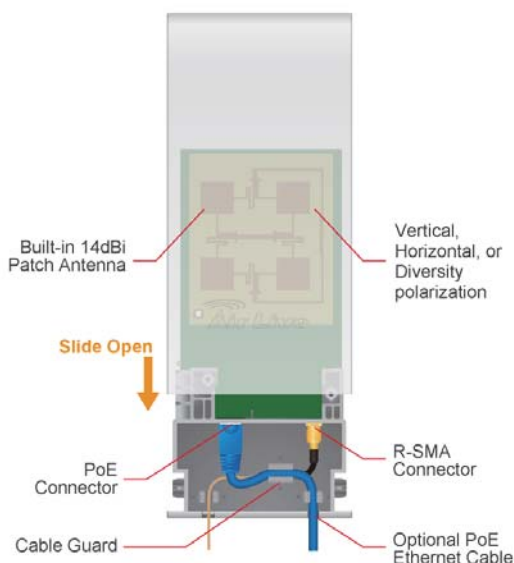| Bandwidth Control	HTTPS	SNMP	SSH2	8MB Flash	32MB SDRAM

No Compromises

The AirLive AirMax5 is the new generation of all-in-one wireless 5GHz CPE built to the highest standard. It greatly surpasses the competitions in value, feature, performance, and reliability. If you are looking for a cost effectively way to build your wireless outdoor network that can withstand the test of time. Look no further, AirMax5 is the first choice.

Built-in 14dBi Patch Antenna
Vertical, Horizontal, or Diversity polarization
Slide Open
PoE Connector
Cable Guard
R-SMA Connector
Optional PoE Ethernet Cable

Simple All-In-One Solution

The AirMax5 comes with almost everything you need to build 5GHz outdoor connection instantly. The CPE enclosure is built with high grade anti-UV materials for protection from prolonged sunshine and rain. It includes an integrated 13dBi 5GHz antenna with horizontal, vertical, or diversity polarization. The internal PCBA slides out for easy maintenance. To speed up your installation process, there is also a 4-level LED to assist you with Antenna alignment. The built-in advanced passive Power Over Ethernet will let your AirMax5 operate up to 100 meter distance from power source.
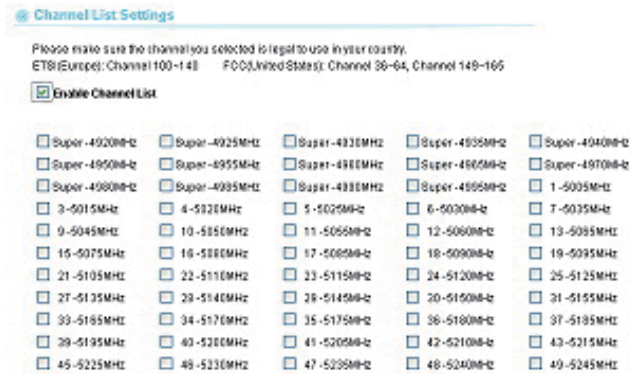
20 Kilometers Distance or More

With the integrated directional antenna and high performance 108Mbps Atheros 11a radio, the AirMax5 can reach the distance of 20 kilometer using the built-in antenna. If you need more distance, simply connect a hi-gain external antenna to the R-SMA port. You can choose the CPE to use Vertical, Horizontal, or external antennas from the web interface. It really is that versatile and simple.

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Maximum Performance

Despite of its compact size, the AirMax5 is packed with full performance hardware and software. With the Atheros Super-A and Turbo-A mode, it can easily double the throughput of standard 11a mode. The 23dBm output power at PCBA means stronger signal than competitions. The double sized memory capacity allows the AirMax5 firmware to include features available previously only in high end products.
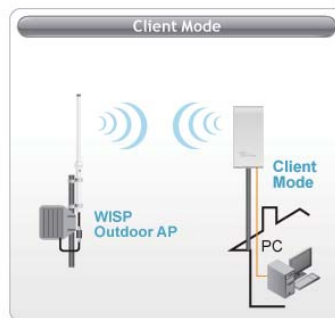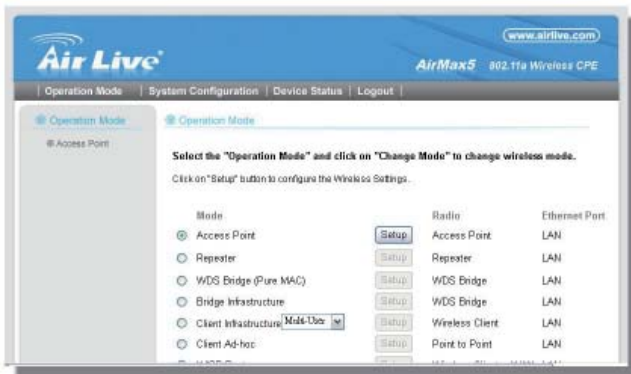
Super Channel and Channel List

The AirMax5 supports Super Channel function for license band holder in 4.9GHz and 6.1GHz spectrum. In addition, it has the ability to operate in 5, 10, 20, 40MHz channel width. That means band license operator can choose from over 230 channels which completely alleviate the problem with interference. In addition, the AirMax5 also supports Channel list function to let you choose which channels to scan and connect out of the 239 channels.

*Please make sure you have the license to use the 4.9GHz or 6.1GHz band before using Super Channels.

Multiple Operation Mode

The AirMax can function as an AP, Client, Bridge, WISP Router or AP Router. Therefore, you can instantly transform the CPE to different wireless applications. With the new AirLogic interface, the web configuration is much more user friendly than before. You simply start by selecting a wireless mode, the AirMax5 will display only options available in that wireless mode. No more guessing and experimenting.

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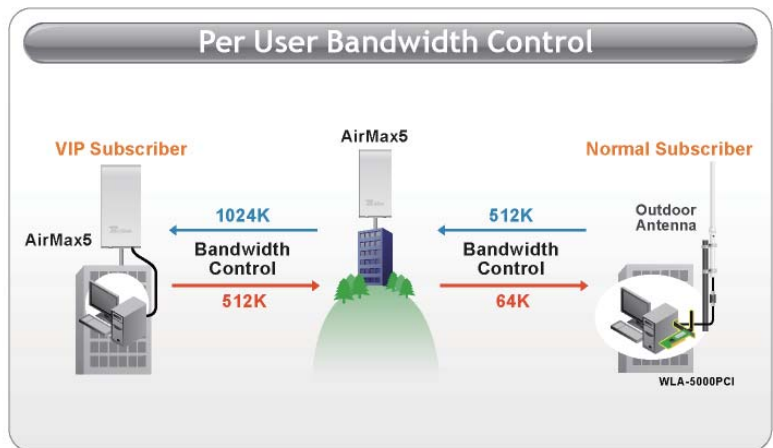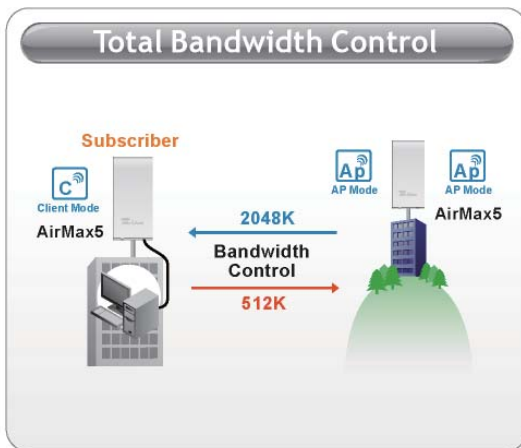
Secured Management Interface

In addition to standard Web and Telnet management, the AirMax5 also features secured management interface including HTTPS and SSH2. It is now much safer for service provider for remote management. In addition, the AirMax5 provides full SNMP v1/v2 support.


```
192.168.1.1 - PuTTY
<domain>
 Usage : set antenna <diversity | vertical | horizontal | external
( enable/disable ):
 Usage :  <enable | disable> upnp
 Usage : <enable | disable> snmp
 Usage : <enable | disable> syslogd
 Usage : <enable | disable> radius server <primary | secondary>
( add/delete ):
 Usage : add mac filter <string up to 16 characters> <MAC address,
X-XX>
 Usage : delete mac filter <string up to 16 characters>
 Usage : delete wds <comment>
 Usage : add radius server primary
 Usage : add radius server <primary | secondary>
 Usage : add wds <comment> <mac>
 Usage : add [R1 | R2] ssid <ssid name> broadcast <enable | disabl
Command>
```

Bandwidth Management

The AirMax5 provides the capability to control total connection or per user's bandwidth. Therefore, the WISP operators can offer different class of connection speeds for different subscription fees – just like the ADSL service!

Double Mounting System

The AirMax5 is designed to be mounted using the included plastic straps for easy installation. If you require wall mounting or more rigid mounting, you can purchase the optional Metal Wall Mount/Pole Mount Kit. It will allow installer to adjust the tiling angle for more precise antenna alignment.

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Multiple SSID, VLAN, & WMM

AirMax5 provides Multi-SSID to create different wireless networks using one single AP. The TAG VLAN feature allows service provider to control service content of each SSID network all the way back to core router. The QoS feature allows prioritizing the different package according the 802.11e WMM protocol and triple play (Voice, Video and Data).

The AirMax5 is built for easy configuration and installation. It is a product without compromises with AirLive's legendary reliability. What more could you ask for? Buy one for your network today.

Standard Accessories

Power Adapter   Plastic Straps x 2   PoE DC Injector   CD   QIG

Optional Accessories

Tilting Metal Wall/Pole Mount   25 meter PoE Cable

DD-WRT Support

AirLive products support many 3rd party firmware including DD-WRT*. For more information about how to download and buy DD-WRT firmware. Please visit http://www.dd-wrt.com/dd-wrtv3/dd-wrt/hardware. html and type "airlive" for the support list.

* AirLive does not provide technical support for 3rd party firmwares. Damage to the product by 3rd party firmware will void your warranty.

** FCC version can operate only in 5725MHz to 5850Mhz in AP related modes. Power limited according to FCC regulations.

*** 5/10/20/40MHz Channel Width, External antenna capability and Super-A/Turbo-A mode are not available in FCC version.

Specifications

Standard
- 802.11a/Super A/Turbo-A mode support (Atheros Proprietary)
- RoHS compliant

- Supports One 10/100 Mbps LAN
- Auto MDI/MDI-X support
- 8MB Flash, 32MB SDRAM

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- 12V Passive PoE (accept up to 22V)
- 802.11h compatible

Antenna
- Integrated 13 dBi patch directional antenna
- 30 degree horizontal and vertical antenna
  coverage with built-in antenna.
- Vertical, Horizontal, Diversity Polarizations
- R-SMA connector for external antenna

Frequency Band
- ETSI: 802.11a: 5.470 to 5.725 GHz
- USA: 802.11a: 5.725 to 5.825 GHz
- Super Channels: 802.11a: 4.9 GHz and 6.1GHz

Power Supply
- Power Adapter Voltage : input 100~240Vac/
  50~60Hz , output 12V/1A
- Advance Passive PoE (Accept 12 to 22 volts)
- POE Adapter, DC Injector provided
- POE port built-in on the PCB

Transmission Rates
- 802.11a Data Rate : 6, 9, 12, 18, 24, 36, 48,
  54Mbps
- Super-A Data Rate : 108Mbps
- Turbo-A Data Rate : 108Mbps

Modulation Technology
- 802.11a Orthogonal Frequency Division
  Multiplexing (OFDM)

Output Power
- 54 Mbps @ 21dBm
- 48 Mbps @ 22dBm
- 36 Mbps @ 23dBm
- 6, 9, 12, 18, 24 Mbps @ 23 dBm

RSSI
- 6Mbps @ -90 dBm
- 9Mbps @ -89 dBm
- 12Mbps @ -88 dBm
- 18Mbps @ -86 dBm
- 24Mbps @ -82 dBm
- 36Mbps @ -79 dBm
- 48Mbps @ -73 dBm
- 54Mbps @ -71 dBm

Mode
- Support Client Mode, AP Mode, WDS Bridge
  Mode, Repeater Mode, Bridge Infrastructure,
  AP Router and WISP Router

Software
- Site Survey with RSSI Signal Survey
- Web, Telnet, HTTPS, SSH, SSH2
  Management
- Lock-to-AP List function
- 5MHz, 10MHz, 20MHz, 40MHz Channel
  Width
- Super Channels support
- Total Bandwidth and Per-User Bandwidth
  Management
- Channel List Selection
- Noise Immunity
- Multiple SSID and Tag VLAN
- QoS (802.11e WMM)
- Wi-Fi, WPA compatible interoperability
- WPA with PSK/TKIP/AES support ,WPA2
  support
- Privacy Separator support
- SNMP v1/v2 support
- Support adjustable output power
- Comply with DFS II
- 152-bit WEP support (Atheros Proprietary)
- Super A mode support (Atheros Proprietary)
- Turbo A mode support (Atheros Proprietary)
- ACK Timeout Adjustment
- WEP over WDS support
- Bootloader Protection and Emergency
  Firmware Upload Code
- Radius Supported
- Firmware upgrade and configuration backup
  via Web

Certificate
- FCC, CE

Product Size (L x W x H (mm))
- 210 x 100 x 32 mm

Ordering Information:

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