Air Live®
Powered by OvisLink Corp.

WLA-9000AP

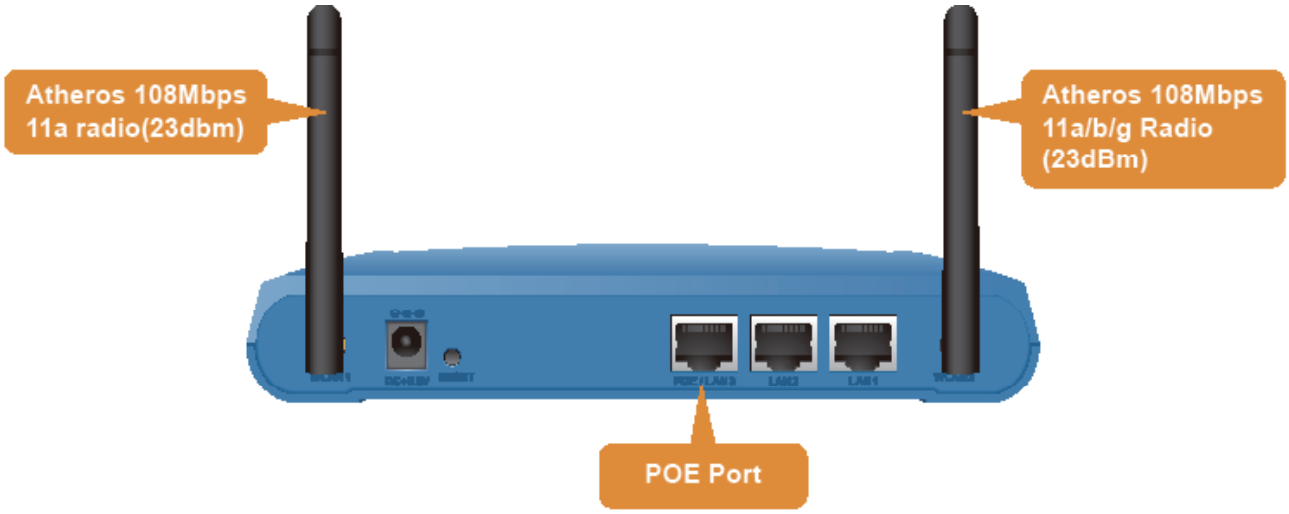
Dual Radio Dual Band 108 Mbps POE AP

The WLA-9000AP is a dream device for WISP to build their wireless networks. The AP features 2 Atheros 11a/b/g radios that run in 5Ghz or 2.4GHz frequency band. Moreover, it provides hi-power at 11a mode for extra long distance application. There is an intergraded 802.3af POE port to let you run the AP at up to 100 meter distance away from the power source. Advanced software functions such as 14 wireless modes, Wireless Duplexing, Bandwidth Control, Multiple SSID&VLAN, SNMP.

Dual Radio | 5GHz | 2.4GHz | Atheros 108Mbps | POE

Dual Wireless + Hi Power + 3 LAN Ports

The WLA-9000AP is equipped with 2 high-powered Atheros radios. The radio 1 runs in the 11a 5GHz mode only while the radio 2 runs at the 11a/b/g dual band mode. AirLive adds high power amplifier to run the AP at 23dBm in 11a and 11g modes(200mW), that's 4 times the output power of normal 11a radio(50mW). In addition, 3 programmable LAN ports are available for multi-mode AP/Gateway configuration.



Manufacturer
OvisLink Corp.
5F, No.96, Min-ChuanRd, Hsin-tien City, Taipei, Taiwan
www.airlive.com

Wireless Duplexing mode

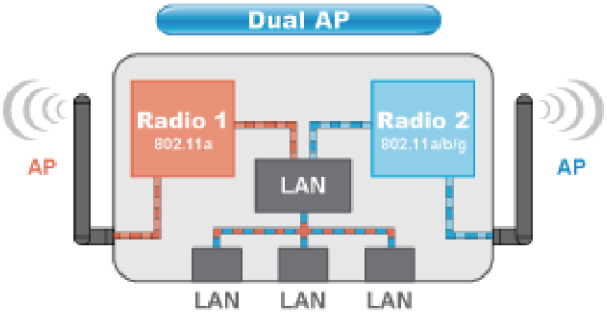
Under the wireless duplexing mode, the WLA-9000AP is capable of combining the 2 radios into one single high speed link. This mean when you are 2 WLA-9000AP linking together, it can go as high as 60Mbps real thoroughpput in Duplex Super-A mode, that's 3 times faster than normal 11a/g link! It is perfect for use in wireless backbone application. Please click the flash below to see details explanation and configurations.

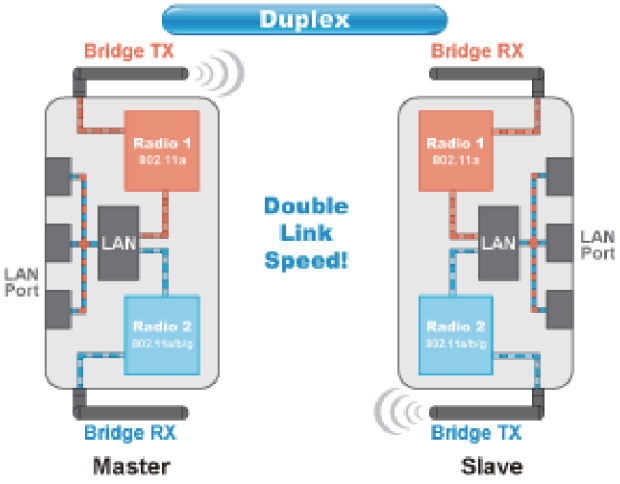
14 Wireless Operation Modes

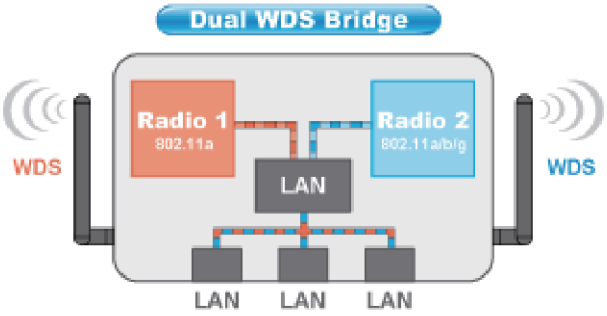
The WLA-9000AP can operate in multiple wireless modes for different application environments. Up to 14 Wireless Operation Modes are available.

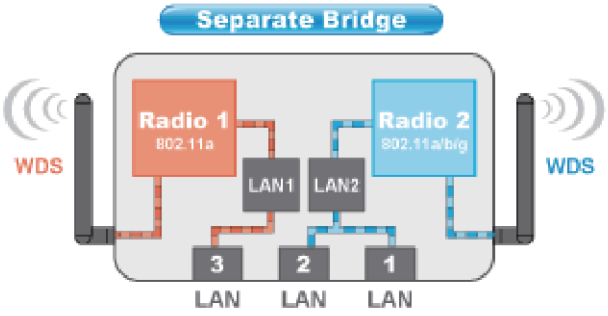
Mode	Radio 1 (11a)	Radio 2 (11a/b/g)
Dual AP	Access Point	Access Point
Duplex	WDS Bridge	WDS Bridge
Dual WDS Bridge	WDS Bridge	WDS Bridge
Separate Bridge	WDS Bridge	WDS Bridge
AP + Client	Access Point	Wireless Client
Client + AP	Wireless Client	Access Point
AP + WDS Bridge	Access Point	WDS Bridge
WDS Bridge + AP	WDS Bridge	Access Point
WDS + Gateway	WDS Bridge	Gateway (AP Router)
Gateway + WDS	Gateway (AP Router)	WDS Bridge
AP + Gateway	Access Point	Gateway (AP Router)
Gateway + AP	Gateway (AP Router)	Access Point
AP + WISP	AP Router	WISP Bridge
WISP + AP	WISP mode	AP Router

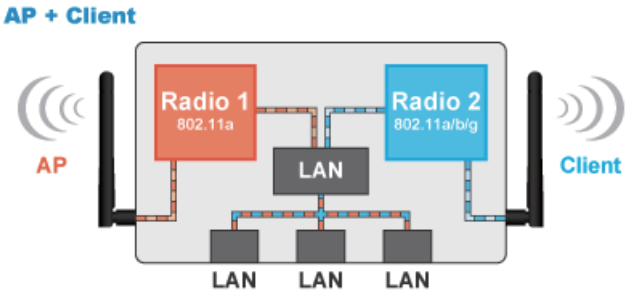
Air Live®
Powered by OvisLink Corp.

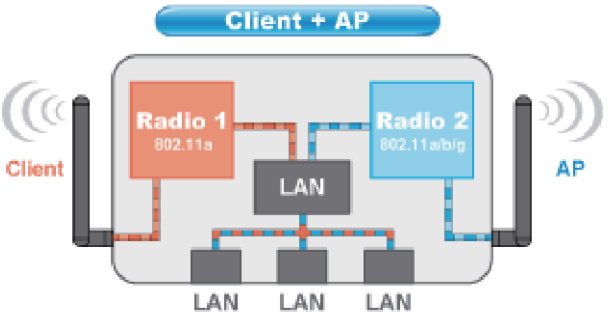


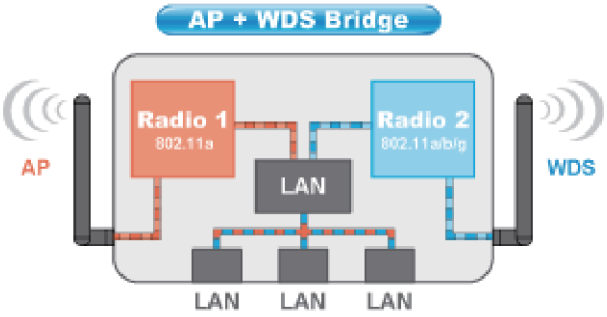


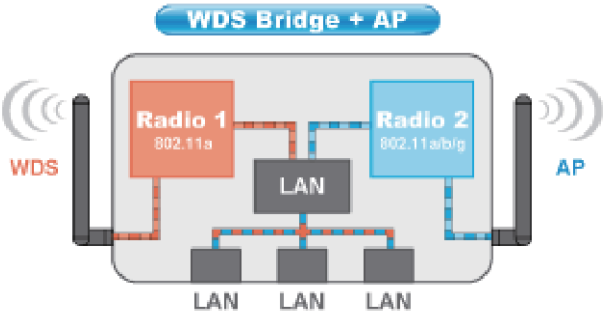






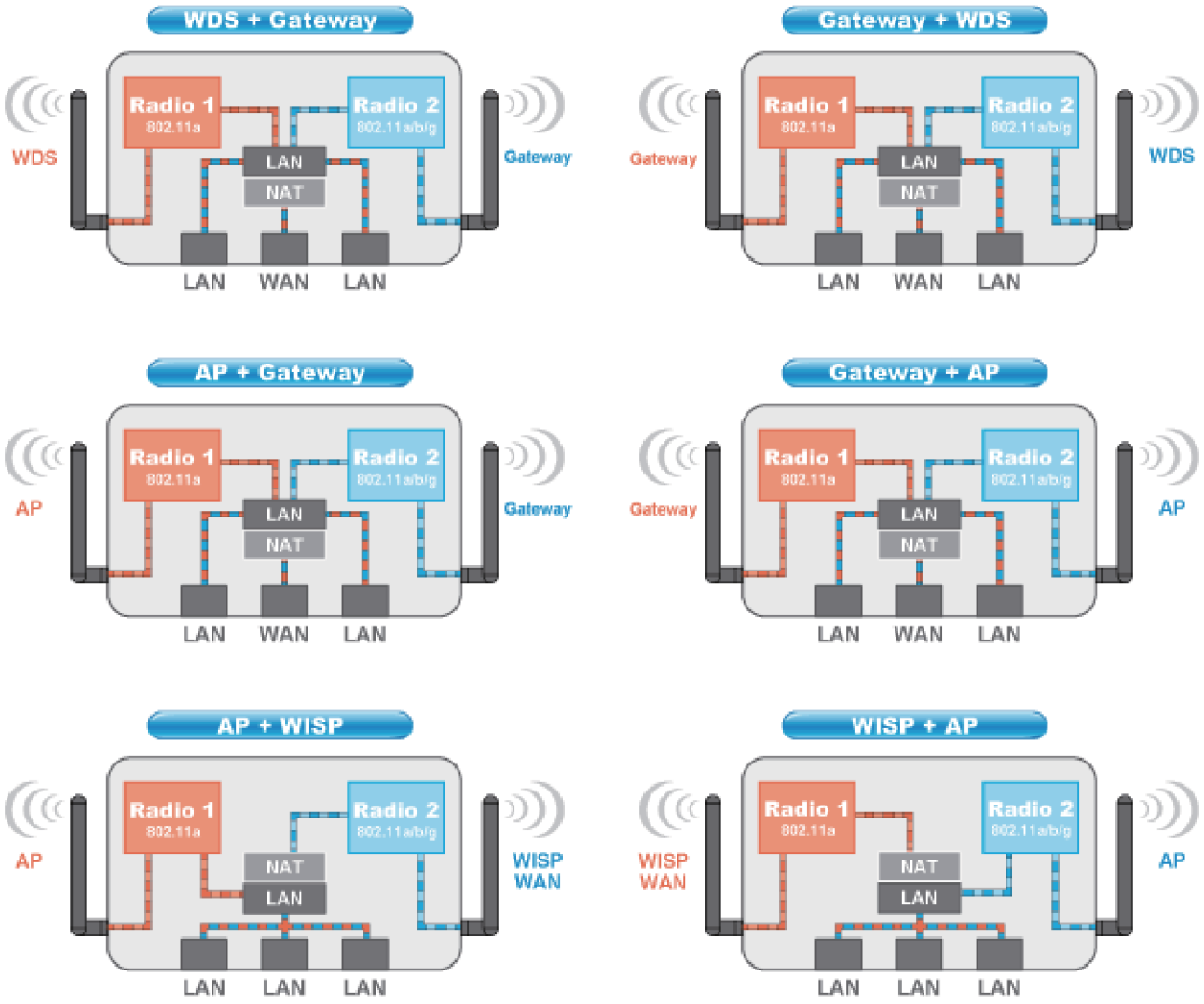






Manufacturer
OvisLink Corp.
5F, No.96, Min-ChuanRd, Hsin-tien City, Taipei, Taiwan

www.airlive.com



802.3af PoE Port

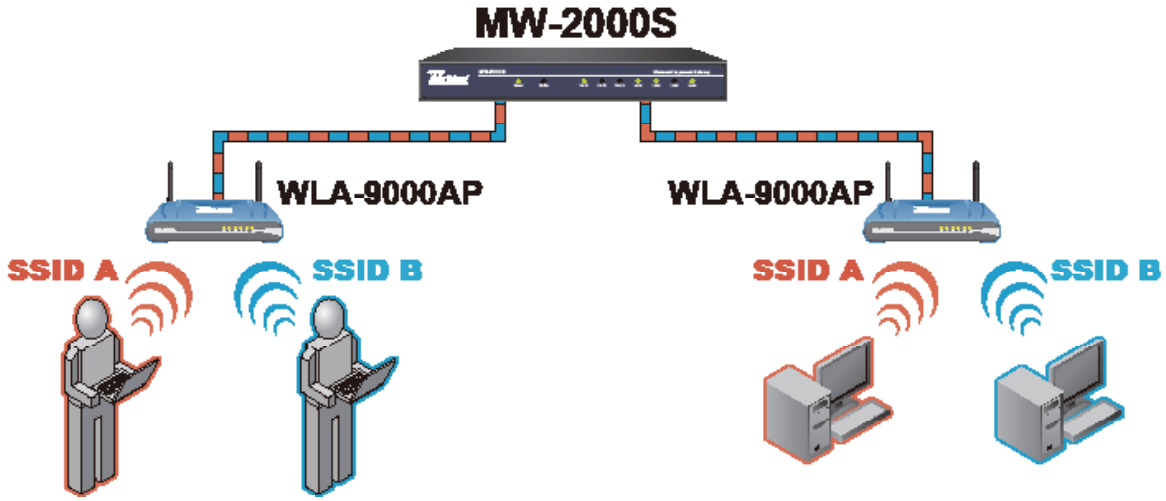
WLA-9000AP is equipped with an 802.3af Power Over Ethernet port. Therefore, you do not need a separate POE Splitter. When used with the optional POE adapter and DC Injector, it can operate at up to 100 meter away from the power source. Standard DC power adapter is provided for non-POE application.

Multiple SSID and TAG VLAN

WLA-9000AP provides Multiple-SSID function to create different wireless networks using one AP. Each SSID can have its own encryption policy. The TAG VLAN feature allows service provider to control service content of each SSID network all the way back to core router. Together with the built-in WMM priority, it is possible to create different wireless networks with different priority levels across a large network.

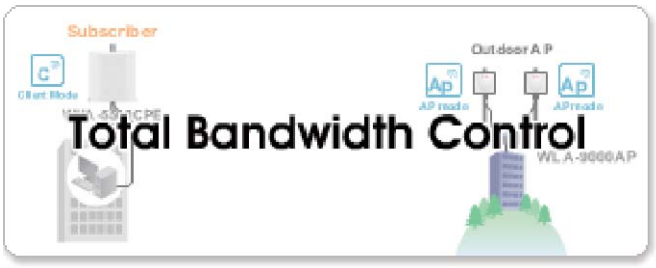
Multiple-SSID+VLAN

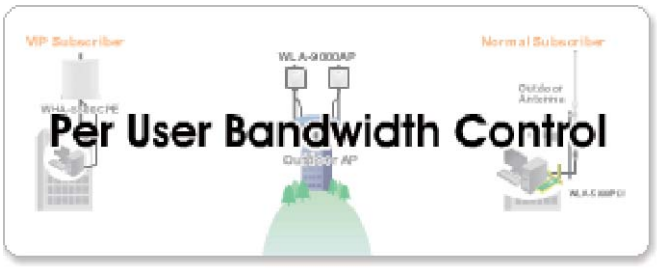
SSID A = Work Group A
SSID B = Work Group B



Bandwidth Control

WLA-9000AP provides capability to control each user's bandwidth individually. It can control either "Total Bandwidth" or "Each IP/MAC Bandwidth". Therefore, the WISP operators can offer different class of connection speeds for different subscription fees - just like the ADSL service!





The WLA-9000AP has additional features such as Site Survey wizard to make client and bridge connection easier. It is the most featured rich and high performance access point in the market.

* Radio 1(WLAN1) works in 11a (5GHz) mode only. Radio2 (WLAN2) works in either 11a(5GHz) or 11b/g(2.4GHz) mode
** Optional POE adapter and DC Injector might be required

Air Live®
Powered by OvisLink Corp.

Specifications

Hardware
- High power design , 23dBm average power, to extend the wireless range
- Dual wireless interface 11a, 11a/b/g + 11a, operation simultaneously.
- Super A/G mode support (Atheros Proprietary)
- RoHS compliant
- IEEE 802.3af (PoE) compliance
- 8MB Flash, 32MB SDRAM
- PoE support by one LAN port

Antenna
- 2 dBi x 2 detachable omni antenna
- R-SMA connector

Frequency range
- WLAN1(Radio 1) & WLAN2(Radio 2)
  802.11a : 5.15 to 5.825 GHz
- WLAN2 (Radio 2)
  802.11b/g:2.412~2.472GHz

Frequency channel
- WLAN1(Radio 1) & WLAN2(Radio 2)
  802.11a
  USA(FCC) : 12
  Europe(ETSI) : 19
- WLAN2(Radio 2)
  802.11b/g
  USA(FCC) : 11
  Europe(ETSI) : 13

Power Supply
- (Standard) External DC Power Adapter : input 100~240Vac/50~60Hz , output 5.5V/2.5A
- (Optional) 48V/0.4A Power Over Ethernet Adapter

Modulation Technology
- IEEE802.11a 5GHz OFDM
- IEEE802.11b 2.4GHz CCK
- IEEE802.11g 2.4GHz OFDM
- Atheros Proprietary Super A/G mode 802.11a Orthogonal

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	802.11g
54 Mbps @ 17dBm 48 Mbps @ 18dBm 36 Mbps @ 19 dBm 6, 9, 12, 18, 24 Mbps @ 23 dBm	54 Mbps @ 19dBm 48 Mbps @ 20dBm 36 Mbps @ 21 dBm 6, 9, 12, 18, 24 Mbps @ 23 dBm

RSSI

802.11a	802.11g
6Mbps @ -92 dBm 9Mbps @ -89 dBm 12Mbps @ -88 dBm 18Mbps @ -86 dBm 24Mbps @ -82 dBm 36Mbps @ -79 dBm 48Mbps @ -73dBm 54Mbps @ -71dBm	6Mbps @ -90 dBm 9Mbps @ -88 dBm 12Mbps @ -88 dBm 18Mbps @ -86 dBm 24Mbps @ -82 dBm 36Mbps @ -79 dBm 48Mbps @ -75dBm 54Mbps @ -73dBm

Software
- Wi-Fi, WPA compatible interoperability
- Support WDS Bridge Mode, Client Mode, AP Mode on interface under each predefined operational mode..
- Client Isolation supported
- SNMP v1/v2 support
- Support adjustable output power
- ACK Timeout setting
- Ping Watchdog
- User Limitation (Static Load Balancing)
- Multiple SSID, VLAN, QoS
- WPA with PSK/TKIP/AES support ,WPA2 support
- 152-bit WEP support (Atheros Proprietary)

Manufacturer
OvisLink Corp.
5F, No.96, Min-ChuanRd, Hsin-tien City, Taipei, Taiwan

- Super A/G mode support (Atheros Proprietary)
- Bootloader Protection and Emergency Firmware Upload Code in bootloader
- Radius Support
- HTB QoS
- P2P Bandwidth Control

Dimension
- 191.0(L) x 145.5(w) x 29.0(H) mm
- Weight :341 g (without antennas)

Ordering Information:

AirLive WLA-9000AP	Dual Radio Dual Band 108 Mbps POE AP
AirLive WLA-9000AP-PCB	Dual Band Dual Radio 802.11a/b/g 108Mbps Access Point PCBA only
AirLive POE-1000PB	POE adapter kit for WLA-9000AP

Manufacturer
OvisLink Corp.
5F, No.96, Min-ChuanRd, Hsin-tien City, Taipei, Taiwan