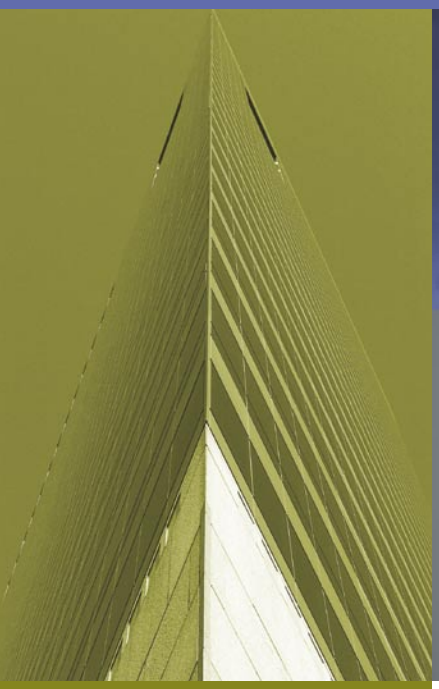
Airespace 1200 Access Point



Features and Benefits

Zero-configuration and management
Reduces the cost and time to deploy a wireless network; dramatically simplifies day-to-day operations

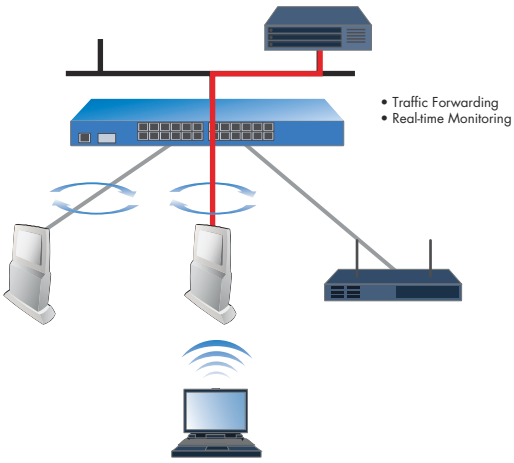
Simultaneous air monitoring and data service
- Minimizes equipment requirements
- Simplifies network design
- Increases security through complete real-time monitoring across an entire network

Internal and external antenna options
Provides flexible deployment and redeployment options

LWAPP enabled
Insures interoperability with existing infrastructure and third-party WLAN equipment

Airespace 1200 Access Point

The Airespace 1200 Access Point delivers optimal security, performance and coverage for 802.11 wireless networks. It works in conjunction with the Airespace 4000 WLAN Switch and the Airespace 4100 WLAN Appliance to provide robust, cost effective Wireless LAN (WLAN) services to enterprise environments.

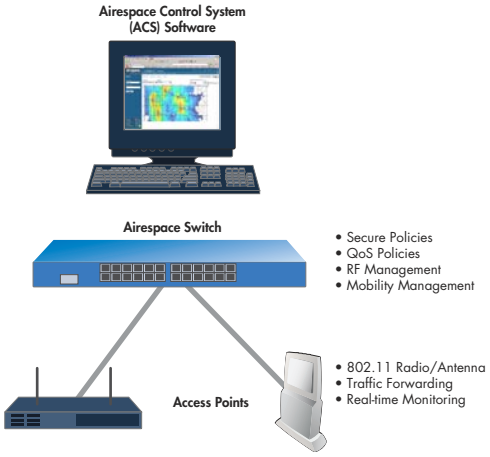


The Airespace 1200 Access Point comes equipped with internal radios and sectorized antennae. Optional connectors are available for connectivity to external antennae. Enterprises have a choice between multi-mode 802.11 a/b/g and 802.11 b/g versions of the Airespace 1200 Access Point. All models are plenum rated. The various radio capabilities and deployment options of the Airespace 1200 Access Point make the Airespace solution ideally suited for any enterprise environment.

The Airespace 1200 Access Point is the only Access Point solution that combines simultaneous data forwarding and air monitoring functions. This eliminates the need for additional monitoring nodes, which reduces the cost of deploying a wireless network. In addition, this simplifies network design and deployment and maximizes RF security by extending real-time monitoring to every corner of a wireless infrastructure.

Standards-Based

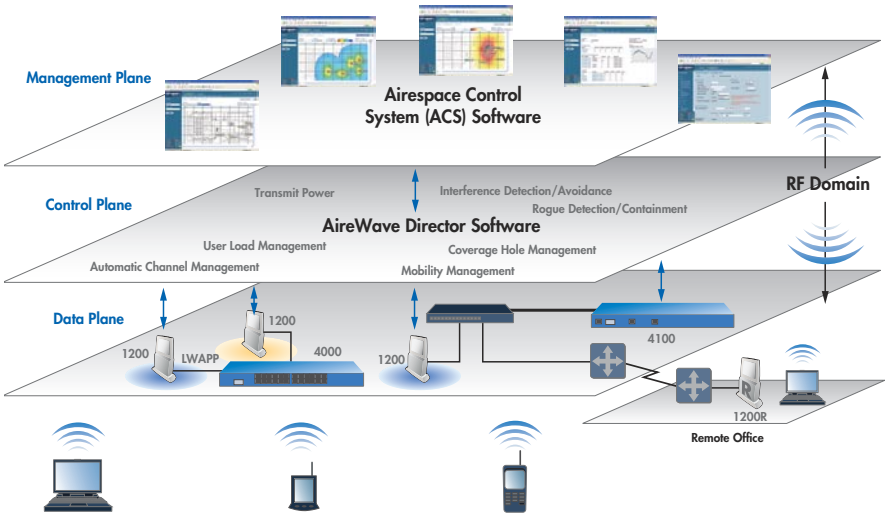
Airespace 1200 Access Points support the emerging Lightweight Access Point Protocol (LWAPP), a specification being developed by the Internet Engineering Task Force (IETF) to ensure interoperability between Access Points and WLAN switches and appliances. The Airespace 1200 Access Point seamlessly integrates into a wireless network and provides long term investment protection by adopting this standards-based protocol.



Zero-Touch Configuration and Management

The Airespace 1200 Access Point requires no user configuration. Deploying thousands of Access Points is simple – just plug them in to any device running standard Ethernet. The Airespace 1200 Access Point will automatically locate Airespace switches and appliances over the Ethernet infrastructure. Once validated, the Airespace WLAN Appliance and/or Switch automatically programs all appropriate security, Quality of Service (QoS) and other policy information on the Airespace 1200 Access Points. Using Airespace's AireWave Director™ Software, Airespace switches and appliances can then set the channel and power output on these devices, ensuring optimal ongoing RF coverage and performance.

IT staff can easily perform software upgrades to Airespace 1200 Access Points. Changes are automatically pushed to all Access Points from Airespace WLAN switches and appliances, making upgrades seamless and cost effective. This ensures that new wireless standards can be supported with no hands-on intervention. This also ensures interoperability throughout the network since the software automatically remains consistent across the entire Airespace system.



Security

The Airespace 1200 Access Point works in tandem with Airespace WLAN switches and appliances to create a completely secure wireless environment. The Airespace1200 Access Point ships with a built-in X.509 certificate to prevent unauthorized access to an Airespace network. Furthermore, when administratively enabled, Airespace 1200 Access Points support 802.1x authentication/encryption and are hardware enabled for the emerging 802.11i standard. Airespace 1200 Access Points also play an active role in RF-layer security. Through integrated real-time air monitoring services, they help detect and contain rogue Access Points and prevent RF-layer attacks, ensuring that malicious users cannot access sensitive corporate resources or disrupt normal activity.

Quality of Service (QoS)

Airespace 1200 Access Points are an intrinsic component of Airespace's comprehensive QoS framework. With intelligent queuing and contention management schemes, they provide effective resource management of the air space. This makes the Airespace solution ideal for real-time applications, such as voice. Airespace's QoS capabilities closely mirror the emerging IEEE 802.11e standard. When completed, the Airespace system will be fully compliant with this specification via a simple software upgrade.

Airespace 1200 Access Point

Radio Specifications

802.11a

- Data rate: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps
- Frequency band: 5.15 - 5.25 GHz, 5.25 - 5.35 GHz, 5.725 - 5.850 GHz
- Orthogonal Frequency Division Multiplexing (OFDM)
- Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
- Non-overlapping channels: 13
- Typical receiver sensitivity: -72 dBm at 54 Mbps, -73 dBm at 48 Mbps, -78 dBm at 36 Mbps, -82 dBm at 24 Mbps, -83 dBm at 18 Mbps, -85 dBm at 12 Mbps, -88 dBm at 9 Mbps, -90 dBm at 6 Mbps
- Transmit Power: 5.150 to 5.250 GHz, 50 mW, 5.250 to 5.350 GHz, 50 mW, 5.725 to 5.850 GHz, 50 mW. Maximum power setting varies by individual country regulations
- Coverage: 1130 ft (40m) at 11 Mbps, 350 ft (107m) at 1 Mbps

802.11b

- Data rate: 1, 2, 5.5 and 11 Mbps
- Frequency band: 2.4 – 2.4835 GHz
- Direct sequence spread spectrum
- Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
- Non-overlapping channels: 3
- Typical receiver sensitivity: -89 dBm at 11 Mbps, -91 dBm at 5.5 Mbps, -92 dBm at 2 Mbps, -94 dBm at 1 Mbps
- Transmit power: 100 mW (20 dBm), 50 mW (17 dBm), 30 mW (15 dBm), 20 mW (13 dBm), 5 mW (7 dBm), 1 mW (0 dBm). Maximum power setting varies by individual country regulations

802.11g

- Data rate: 1, 2, 5.5, 11, 12, 18, 24, 36, 48, 54 Mbps
- Frequency band: 2.4 – 2.4835 GHz
- Direct sequence spread spectrum
- Orthogonal Frequency Division Multiplexing (OFDM)
- Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
- Non-overlapping channels: 3
- Typical receiver sensitivity: -72 dBm at 54 Mbps, -76 dBm at 48 Mbps, -82 dBm at 36 Mbps, -85 dBm at 24 Mbps, -88 dBm at 18 Mbps, -90 dBm at 12 Mbps, -92 dBm at 9 Mbps, -92 dBm at 6 Mbps
- Transmit power: 100 mW (20 dBm), 50 mW (17 dBm), 30 mW (15 dBm), 20 mW (13 dBm), 5 mW (7 dBm), 1 mW (0 dBm). Maximum power setting varies by individual country regulations

Environmental Specifications (AP)

Dimensions	6" x 4.4" x 1.6" (INT antenna) 6" x 5.4" x 1.6" (w/ EXT antenna)
Weight	1.3 lbs (AP and ceiling clips) 2.2 lbs (AP with optional wall brackets kit)
Power Consumption	10 Watts
Operating Temperature	0-50 degrees C
Storage Temperature	-40 – +85 degrees C
Humidity	0-90% non condensing

Safety: (Switch/Appliance and AP)

CSA Listed per the following standards:

UL 60950 3rd edition

CSA 22.2 No. 60950-00

*UL listing and TUV/GS marking is planned

Radio Approvals

US	FCC Part 15 subpart C and E
Canada	RSS-210
Europe	EN 301.893, EN 300.328
Japan	ARIB STD-33A/STD-T66, ARIB STD T-71
Australia	AS 4268.2
Korea	MIC Notice 2003-13
Singapore	TS 555 Issue 1
Taiwan	LP2002
Hong Kong	HKTA1039

EMI and Susceptibility (Class A): (Switch/Appliance and AP)

US	FCC Part 15.107 and 15.109
Japan	VCCI
Europe	EN 55022, EN 55024, EN 301.489-1 and -17 (AP)

Power Supply Safety: AS-AP-PWR and AS-IPWR

US, EU, worldwide	UL listed, TUV/GS mark, CE mark, CB scheme, USL/CSL per UL60950
Japan	PSE
Korea	K60950

Network Computing declared Airespace the sole recipient of their prestigious "Editor's Choice Award" after beating out six other incumbent and startup WLAN vendors in a hands-on evaluation and sample RFP response. September 2003.

Network World awarded Airespace its prestigious "World Class Award" after winning the industry's first ever WLAN performance test. September 2003.

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