

DATA SHEET

# AirWave Management Platform

## AirWave Management Platform™

The AirWave Management Platform™ (AMP), the foundation of AirWave 7™, delivers operational efficiency for teams managing rapidly changing networks and supporting mobile users who connect via the wireless LAN as well as wired Ethernet ports. With its easy-to-use interface and user-centric approach, the AirWave Management Platform lets your service desk triage connectivity issues while your valuable network engineering staff focuses on more strategic work. You also get a simpler way to enforce policies and actionable information that lets you plan for the future. The results: you save time and money, improve service quality, and make better decisions about your network.

### How Is AMP Used?

The AirWave Management Platform gives your whole IT team an accurate picture of everything that affects service quality for users — from wired infrastructure, to the RF environment, to controllers and access points. Each team member has a personalized view of the network with administrative privileges tailored to his or her specific job responsibilities.

AMP eliminates the need for separate management tools for each vendor's hardware and supports multiple generations of products from more than 15 vendors, from fat APs to thin, from legacy 802.11b to the newest 802.11n devices. AMP communicates with and controls all of this infrastructure using standard protocols (SNMP, SSH, and so on) across a LAN or WAN.

### Key Features

#### EASY-TO-USE WEB INTERFACE

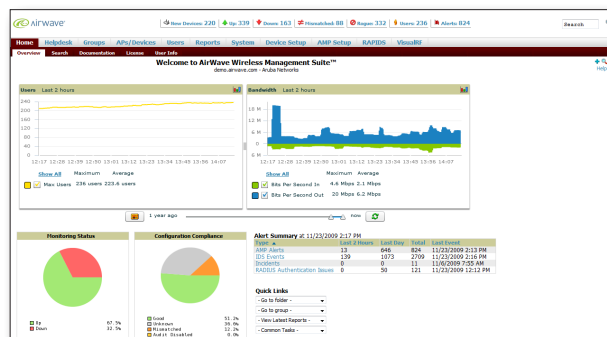
- Role-based access: viewing rights and administrative privileges tailored to job responsibilities
- Customizable views of key information throughout application
- Identify and search for users by username

#### DEVICE DISCOVERY

- Uses SNMP, HTTP, CDP, and other methods to locate all wireless devices
- Operates in any network environment, including distributed networks with large numbers of facilities

#### REAL-TIME MONITORING

- Automatically tracks every wireless user and device connected to your network
- Creates visibility into wired infrastructure that's connected to wireless controllers/access points (APs)
- Logs and displays radio and RADIUS authentication errors, which frequently cause connectivity problems
- Integrates with VisualRF to provide real-time location data
- Provides rapid drill-down from network-wide to device-level monitoring view



Each member of your staff has access to a web-based dashboard with viewing rights and administrative privileges tailored to his or her job responsibilities.

## The AirWave Advantage

### A Better User Experience

AirWave 7 has been designed from the ground up as an operations solution for the whole IT organization, from the service desk, to the NOC, to network engineering. Each team member has role-based access to relevant information, and it's usually just a click or two away.

### User-Centric Management

AirWave 7 gives you a single, accurate picture of everything that affects service quality for your users — from wired infrastructure, to the RF environment, to individual mobile devices. It also integrates easily with existing IT service management tools for more efficient problem resolution.

### Intelligence for Better Decision-Making

AirWave 7 provides a wide range of actionable information, from time-sensitive alerts to historical reporting. With data that spans days, months, and seasons, you always have what you need to spot trends, plan capacity, and craft the right strategies for your organization.

### Multi-Vendor, Multi-Architecture, Multi-Generational

Even in multi-vendor networks and mixed architectures with multiple generations of products, you have a single view to monitor and manage your entire network.



**EFFICIENT DIAGNOSTICS**

- Summary diagnostics pages give service desk and network engineers an at-a-glance view to quickly identify potential causes of reported problems
- Customizable charts let IT staff compare information such as signal quality or bandwidth for up to one year, to look for patterns and trends

**ROOT CAUSE ANALYSIS & EVENT CORRELATION**

- Maps upstream relationships between APs, controllers, and switches
- Correlates upstream problems with downstream events such as down APs in order to isolate root causes of problems and to give network operators insight into their networks' health

**AUTOMATED CONFIGURATION MANAGEMENT**

- Configuration of APs, controllers, and edge switches
- Configuration policies defined using a web-based interface or by importing a "known good" configuration from an existing device
- Hierarchical policy definition allows you to quickly and easily update general configurations across the entire network without overwriting certain settings that may vary from location to location
- Efficient remote software distribution eliminates time-consuming and error-prone manual software updates
- Intelligent scheduling — plan automated configuration or firmware updates for minimal work disruption and create recurring tasks
- Archived device configurations for auditing and version control

**POLICY AUDITS AND COMPLIANCE**

- Automated compliance audits verify the actual configuration of your APs and controllers against your policies and automatically "repair" misconfigured devices
- Maintains detailed audit logs of changes made by all users

**MULTI-VENDOR, MIXED-ARCHITECTURE SUPPORT**

- Single management interface for multiple generations of devices
- Support for autonomous ("fat"), lightweight ("thin"), and mesh access points
- Support for wireless infrastructure from vendors including Aruba, Cisco, Enterasys, Foundry, HP ProCurve, Meru, Motorola, Trapeze, and others

**ACTIONABLE INFORMATION**

- Customizable alerts let you know immediately when the system detects potential problems
- Alerts can be sent via email or via SNMP traps to other network management systems
- Historical trend reporting with up to two years of data including network performance data, configuration changes, device inventories, rogue devices, user session histories and roaming patterns, and more
- Create custom reports covering your entire network or a subset of devices
- View reports online, export them to CSV file, or distribute them to management automatically via email
- Use any of your report components to build a personalized dashboard on your AMP home

**INCIDENT TRACKING & DATA CAPTURE**

- Built-in incident tracking capabilities
- Take snapshots of relevant monitoring screens and performance data during an investigation to communicate exactly what was happening at the time a problem was reported
- Integrates with existing tools (such as BMC Remedy) that the service desk uses to track, report, and escalate user issues

**OPEN ARCHITECTURE**

- XML API enables cost-effective integration with IT service management tools and other applications
- Any data that's visible in the AMP user interface is accessible to you via the XML API

**PLATFORM DATA**

- Centralized in network operations center (no local agents required) or in Aruba data center (AirWave OnDemand™)
- Runs on standard PC hardware and standard Linux operating system
- Device communication through SSH, Telnet, SNMP v1/v2c/v3, HTTP, and HTTPS
- Supports up to 100,000+ managed devices



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