

ALCATEL-LUCENT OMNIVISTA 3600 AIR MANAGER MANAGEMENT FOR WIRELESS AND REMOTE NETWORKS

The Alcatel-Lucent OmniVista 3600 Air Manager is a powerful and easy-to-use network operations system that manages Alcatel-Lucent wireless and remote access networks, as well as wired and wireless infrastructures from a wide range of third-party manufacturers.



Offering unprecedented clarity and centralized control to effectively manage global enterprise infrastructures, OmniVista 3600 lets service desk personnel triage connectivity issues so that IT engineers can focus on proactively optimizing network performance.

Through a centralized and intuitive user interface, OmniVista 3600 provides real-time monitoring, proactive alerts, historical reporting, and fast, efficient troubleshooting. It also offers various dashboard views for quickly diagnosing potential problems and to better manage RF coverage, strengthen wireless security and demonstrate regulatory compliance.

OmniVista 3600 Air Manager VisualRF™ location and mapping offers network-wide views of the entire RF environment. Maps of Wi-Fi coverage and the underlying wired topology show a clear and accurate picture of who is on the network, their location and how the network is performing. Additionally, OmniVista 3600 offers overlays on client health to diagnose issues specific to a client, a floor plan or specific location.

The OmniVista 3600 Air Manager RAPIDS™ rogue detection works with the RFProtect™ wireless intrusion protection software module available in AOS-W to collect rogue AP, rogue client and wireless intrusion events as well as mitigate rogue activity across wired and wireless infrastructures.

The wireless data collected by RAPIDS is correlated with wired network data to identify the most significant and relevant threats, while greatly reducing false-positives and strengthening network security.

Available as software or a combined hardware and software appliance, OmniVista 3600 reduces cost and complexity, improves service quality, and enables IT to make intelligent, well-informed decisions about network design.

FEATURES

- Easy to use web interface including custom graphs and dashboards
- Automated WLAN infrastructure devices discovery
- Collect and display of Client device data and searching using various parameters.
- Automated configuration of Alcatel-Lucent WLAN APs, controllers and instant APs.

BENEFITS

- Intuitive web interface eases managing WLAN infrastructure
- Accurate assessment of performance and network capacity over time. Proactive planning of network upgrade for increased capacity
- Correlation between RF heat map, interference map and user location for quick RF troubleshooting.
- Enables faster rollout of large distributed networks with multiple locations

Figure 1. OmniVista 3600 delivers identity-based monitoring and comprehensive management to multivendor wireless, wired and remote enterprise networks.



EASY-TO-USE WEB INTERFACE

- Role-based access, viewing rights and administrative privileges tailored to job responsibilities.
- Custom graphs of key information allow for pan and zoom for visibility into specific periods of time.
- Identify and search for users by user name.
- Client overview summarizes the types of clients attached to the network and provides visibility into watched or VIP clients.
- Multiple dashboard views provide visibility into every aspect of the wireless network.

DEVICE DISCOVERY

- Automatically discovers WLAN infrastructure devices.
- Operates in any network environment, including large distributed networks with multiple locations.

TROUBLESHOOTING AND DIAGNOSTICS

- Collects and displays client device data from AOS-W, Alcatel-Lu cent Instant, ClearPass Policy Manager, and SOTI MobiControl, including device type, operating system, operating system details, manufacturer and model.

- Searching for clients by user name or MAC address provides a diagnostic view of device and network statistics along with indicators to evaluate overall health and performance.
- Overlay the client health on a floor plan to diagnose issues specific to the client or to an area on a floor plan.
- Advanced RF troubleshooting to easily diagnose RF issues in the network.

OmniVista 3600 delivers identity-based monitoring and comprehensive management to multivendor wireless, wired and remote enterprise networks.

REAL-TIME MONITORING AND VISIBILITY

- Automatically tracks every user and device – wireless and remote – on the network.
- Visibility into the wired infrastructure that connects wireless controllers and APs.
- Visibility into clients associated to network including location, SNR, connection speed and more
- Logs and displays radio and RADIUS errors, including noise floor and channel utilization information, frequent causes of connectivity problems.
- Provides rapid drill-down from network-wide to device-level monitoring views.

- Dashboards to track RF performance, capacity and application-level statistics as well as network deviations over a 40-week period.

ROOT CAUSE ANALYSIS AND EVENT CORRELATION

- Maps upstream relationships between APs, controllers and switches to identify the root cause of downtime and performance problems.
- Correlates performance and downtime issues to send only a single alert in the event of an upstream device failure.

AUTOMATED CONFIGURATION MANAGEMENT

- Automatically configures APs, controllers and Alcatel-Lucent Instant,
- Configuration policies are defined through a web user interface or by importing a known-good configuration from an existing device.
- Enhanced configuration for the Alcatel-Lucent Instant family to provision large number of branch locations with ease. With tools like adding notes and overrides, support for multi-edit and context sensitive help it makes it very easy to manage configurations on multiple remote locations.

- Efficient remote software distribution eliminates time-consuming and error-prone manual updates.
- Support for advanced image upgrade features like enforcing a certified version of firmware by group, splitting up image download and reboot processes.
- Archives device configurations for auditing and version control.
- Maintains detailed audit logs of changes made by all OmniVista 3600 operators.

BETTER NETWORK PLANNING AND PROVISIONING

- VisualRF and the offline VisualRF Plan tool allow quick planning of RF and wired coverage for new sites.

MANAGE THE LATEST TECHNOLOGIES, ARCHITECTURES AND PRODUCTS

- A single management interface for multiple generations of devices.
- Supports autonomous, controller-managed and mesh APs, including outdoor AirMesh.
- Generates reports on wired port utilization for capacity planning.
- Supports latest AOS-W management capabilities.
- Supports WLAN products from leading vendors like Aruba, Cisco, Motorola and Hewlett-Packard.
- Supports the latest OmniAccess WLAN products including 4x50 series Mobility Controllers and AP220 series 802.11ac access points.

OPEN ARCHITECTURE

- XML API enables cost-effective integration of valuable location data with other applications.
- Any data that is visible in OmniVista 3600 is accessible via the XML API.

PLATFORM DATA

- Centralized network operations center requires no local agents.
- Runs on standard PC hardware/standard Linux operating system.
- Device communication through SSH, Telnet, SNMP v1/v2c/v3, HTTPS.
- Supports up to 100,000+ managed devices.

VISUALRF FEATURES Real-Time Visualization

- Voice overlay displays coverage for voice handsets, including a radio count heat map.
- Displays Access Switches and other wiring closet devices for a comprehensive view of the network edge.

- Simulate failure feature enables analysis of what-if scenarios for proactive RF coverage planning.

Effective Site Planning for Precise Deployment

- Determines the right quantity and placement of APs, controllers, and other edge devices based on RF coverage goals.
- Incorporates outdoor AirMesh products and other wiring closet devices into the network design.
- Automatically generates bill of material reports.

Standalone VisualRF Plan Tool

- Runs on Windows laptops and workstations.
- Uses the same RF planning and visualization algorithms as the integrated VisualRF module.
- Export offline plans to the integrated VisualRF module and export plans from the integrated VisualRF module to the standalone VisualRF tool.

Integrated Location Tracking and RF Visualization

- Quickly locate users and wireless devices for troubleshooting, planning and asset tracking.
- Playback location history of individual users over the past day to aid in troubleshooting and recovery of lost devices.
- Last known location of each tracked device is stored indefinitely to find lost and stolen devices.

RAPIDS FEATURES

Rapids Highlights

- Flexible rules-based determination of what a rogue AP means to the existing environment.
- Correlates data gathered from wired and wireless infrastructures to reduce false positives.
- Central management console for RFProtect software module monitors intrusion detection and prevention activity, while identifying and neutralizing rogue APs.
- Utilizes location data from VisualRF.
- Compliance reporting, including the payment card industry (PCI) data security standard.

Rogue Device And Client Visualization

- Integrates with VisualRF to display the location of each rogue device and client on a building floor plan.

Intrusion Detection System Events

- Aggregates, correlates, alerts and logs wireless attacks that are detected and reported on the network, providing a comprehensive picture of infrastructure security.

Strong Enterprise-Grade Security

- View locations of rogue APs discovered by OmniVista 3600 Air Manager RAPIDS for faster investigation and threat removal.
- Plan the precise locations to deploy dedicated Wi-Fi sensors, such as Alcatel-Lucent air monitors, to ensure complete coverage.
- Compares wired and wireless scanning results to eliminate duplicates and refine threat assessment.

Rules-Based Threat Classification

- Classify potential threats based on customized rules that define the characteristics of rogue devices.
- Reduce false-positives and enable the network security staff to focus on the most significant threats.

Automated Alerts and Reports

- Predefined, customizable reports address common security, compliance and client needs, such as rogue device tracking, PCI compliance, and client session reporting.
- Supports syslog and SNMP traps from other networked devices, allowing administrators to search for these devices, set triggers to alert on device issues, and use device context for additional troubleshooting.
- Reports exportable in PDF, HTML and CSV formats.

Automatic and Manual Containment

- Manual and automated rogue AP containment with Alcatel-Lucent, Aruba and Cisco controllers.
- Customize and define rules-based classification to determine when to automatically contain devices.
- Coordinate with the AOS-W RFProtect software to notify administrators which switch ports have rogue APs attached to them.

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
OMNIVISTA 3600 AIR MANAGER SOFTWARE SUITE (OMNIVISTA 3600 CORE PLATFORM PLUS VISUALRF AND RAPIDS MODULES)	
OV3600-AM25	OmniVista 3600 Air Manager Software suite for a single server managing up to 25 devices (controllers, wireless access points, switches, etc.). Includes OmniVista 3600 core platform, visualization and mapping software module (VisualRF), and Rogue detection software module (RAPIDS)
OV3600-AM50	OmniVista 3600 Air Manager Software suite for a single server managing up to 50 devices (controllers, wireless access points, switches, etc.). Includes OmniVista 3600 core platform, visualization and mapping software module (VisualRF), and Rogue detection software module (RAPIDS)
OV3600-AM100	OmniVista 3600 Air Manager Software suite for a single server managing up to 100 devices (controllers, wireless access points, switches, etc.). Includes OmniVista 3600 core platform, visualization and mapping software module (VisualRF), and Rogue detection software module (RAPIDS)
OV3600-AM200	OmniVista 3600 Air Manager Software suite for a single server managing up to 200 devices (controllers, wireless access points, switches, etc.). Includes OmniVista 3600 core platform, visualization and mapping software module (VisualRF), and Rogue detection software module (RAPIDS)
OV3600-AM500	OmniVista 3600 Air Manager Software suite for a single server managing up to 500 devices (controllers, wireless access points, switches, etc.). Includes OmniVista 3600 core platform, visualization and mapping software module (VisualRF), and Rogue detection software module (RAPIDS)
OV3600-AMPRO	OmniVista 3600 Air Manager Software suite for a single server managing up to 1000 devices (controllers, wireless access points, switches, etc.). Includes OmniVista 3600 core platform, visualization and mapping software module (VisualRF), and Rogue detection software module (RAPIDS)
OV3600-AMENT	OmniVista 3600 Air Manager Software suite for a single server managing up to 2500 devices (controllers, wireless access points, switches, etc.). Includes OmniVista 3600 core platform, visualization and mapping software module (VisualRF), and Rogue detection software module (RAPIDS)
OV3600-AM50X	OmniVista 3600 expansion license for one additional device for systems with 50 or greater existing device licenses
OV3600-AM2500X	OmniVista 3600 expansion license for one additional device for systems with 2,500 or more existing device licenses
OMNIVISTA 3600 MASTER CONSOLE	
OV3600-MASTER	OmniVista Master Console License for 1 Server.
ONE-TO-ONE FAILOVER LICENSES	
OV3600-AM25-FR	One-to-One hot standby/failover server software for the OV3600-AM25 and subject to the same restrictions
OV3600-AM50-FR	One-to-One hot standby/failover server software for the OV3600-AM50 and subject to the same restrictions
OV3600-AM100-FR	One-to-One hot standby/failover server software for the OV3600-AM100 and subject to the same restrictions
OV3600-AM200-FR	One-to-One hot standby/failover server software for the OV3600-AM200 and subject to the same restrictions
OV3600-AM500-FR	One-to-One hot standby/failover server software for the OV3600-AM500 and subject to the same restrictions
OV3600-AMPRO-FR	One-to-One hot standby/failover server software for the OV3600-AM1000 and subject to the same restrictions
OV3600-AMENT-FR	One-to-One hot standby/failover server software for the OV3600-AM2500 and subject to the same restrictions
OV3600-AM50FRX	OmniVista 3600 failover expansion license for one additional device for systems with 50 or greater existing device licenses
OV3600-AMENTFRX	OmniVista 3600 failover expansion license for one additional AP/device for systems with 2,500 or more existing device licenses
OMNIVISTA 3600 SERVER	
OV3600-HWENT	Hardware appliance for OmniVista Enterprise Edition and smaller Software licenses.
OV3600-HWPRO	Hardware appliance for OmniVista Professional Edition and smaller Software licenses.