

Summit WM3000 Wireless LAN Solution



Summit® WM3000 wireless LAN system delivers a robust, secure, easy-to-use, high-performance enterprise wireless LAN solution.

Features

- Fast and easy deployment
- Enterprise-class mobility
- Clustering with high availability
- Comprehensive security features
- Toll-quality voice services
- Scalable solution
- Full life cycle management

Target Applications

- Multi-site wireless deployment
- Latency-sensitive, mission-critical applications
- Remote site deployment with survivability
- Latency sensitive mobility applications

Summit WM3000 series controllers along with Altitude™ 3500/4600 series access points deliver robust and secure enterprise-class wireless LAN solution for voice, video and data applications. Summit WM3000 solution from Extreme Networks® can scale to support various sized locations from small branch offices to large central site WLAN installations. Multiple Summit WM3000 controllers can be configured into a single cluster to form a mobility domain supporting tens of thousands of users and over a thousand APs. It significantly reduces the chance of a disruption in service in the event of a controller failure or intermediate network failure.

Summit WM solution offers smart traffic management which allows wireless traffic to be either bridged locally at the AP or tunneled to the controller. The capability to support high-speed, cross-subnet roaming enables the Summit WM3000 solution to meet the demands of enterprise mobility applications including transactional sessions and seamless voice over wireless LAN. By focusing on ease of installation and management, the Summit WM3000 wireless solution helps IT organizations simplify the task of mobilizing their users without sacrificing security or performance.

With Extreme Networks Wireless Management Suite (WMS), customers can easily deploy and manage their wireless networks. Network administrators can manage hundreds of sites as well as thousands of devices, view the status and location of wireless infrastructure devices and clients, search for specific pieces of equipment, troubleshoot network issues, generate reports and export raw data. WMS simplifies the management of your wireless network with an intuitive web-based user interface. Network administrators with little or no RF experience can manage their wireless networks within a few hours of installing WMS.

Robust and secure enterprise-grade wireless LAN solutions for voice, video and data applications.



Extreme Networks offers several APs that complement the Summit WM controllers. The Altitude 3510 dual-radio AP supports concurrent operation of 802.11a and 802.11b/g wireless networks in indoor environments. Altitude 3550 dual-radio AP supports concurrent operation of 802.11a and 802.11b/g wireless networks in harsh outdoor environments. Altitude 4610 and Altitude 4620 are the next generation APs from Extreme Networks that utilize the high speed 802.11n WLAN technology. They are concurrent, dual-radio 802.11a/n and 802.11b/g/n APs with 2x3 MIMO capabilities. The 11n AP can be powered from a single standard (802.3af) port at full throughput. This can result in a major cost savings, as it eliminates the need to allocate 2 PoE ports and double cable runs to each AP. All of these APs deliver plug-and-play installation anywhere in an enterprise network.

Wireless Management Suite (WMS)

Features

- Browser-based life cycle management toolset
- Manage multi-site wireless LANs of up to 8,000 Access Points
- Integrated with Summit WMScanner for site planning and survey
- Site visualization with radio coverage heat map
- Graphical dashboard of multi-site level view of network health
- Wizard-based diagnostic tools for RF analysis and troubleshooting

System Requirements

- Dual Processor @ 3.2 GHz, 4GB RAM, 80GB Hard Disk
- Microsoft Windows 2003 Server SP1 or above
- Browsers: Internet Explorer v6.0 or higher; Firefox ver 2.0 or higher

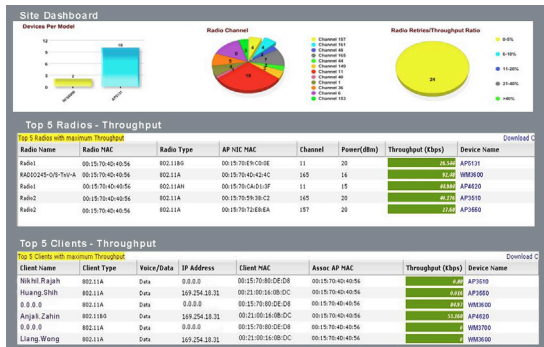


Figure 1: Wireless Management Suite Dashboard View

Summit WM3000 Series Controller Selection Guide			
	Summit WM3400	Summit WM3600	Summit WM3700
Typical Deployment	<ul style="list-style-type: none"> Small and medium enterprises Remote office 	<ul style="list-style-type: none"> Medium and large enterprises 	<ul style="list-style-type: none"> Large enterprises
Maximum Number of Managed APs	22	256	1,024
Rack Mount Height	1U Table top or rack mount	1U Rack mount	1U Rack mount

Altitude Access Point Selection Guide			
	Altitude 3510 Indoor 802.11a/b/g	Altitude 3550 Outdoor 802.11a/b/g	Altitude 4610/4620 Indoor 802.11a/b/g/n
Antenna Setup	External antennas, included	Require external antennas based on application	Altitude 4610: Internal Antennas Altitude 4620: External Antennas
Radios	Dual concurrent 802.11a/g; 802.11b/g/ Dual band	Dual concurrent 802.11a; 802.11b/g/ Dual band	Dual concurrent 802.11a/n; 802.11b/g/n/Dual band
Ports	1x 10/100/BASE-T – Data/PoE	1x 10/100BASE-T – Data/PoE	1x 10/100/1000BaseT – Data/PoE
Number of SSIDs	16 per radio	16 per radio	16 per radio



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