



## Xirrus System Overview

- > Dedicated Network Appliance or Software-only Application
- > Layer 3 Command & Control Features
- > Operates Outside of the Data Path

## Value Delivered

- > Automatic Discovery & Configuration of Arrays
- > Policy-based Management
- > Aggregates Alerts & Alarms for Monitoring
- > Supports up to 500 Arrays

The Xirrus Management System (XMS) provides an easy to use, scalable solution for managing Wi-Fi Arrays from a single point anywhere in the network. Our Management System is offered on a dedicated network appliance (XM-3300) or as a stand-alone software application (XA-3300) that can be loaded on an existing server in the IT closet.

Unlike competitive solutions, the Xirrus Centralized Management System operates at Layer 3 to automatically discover, configure and monitor up to 500 Arrays making the management of large scale, multi-site deployments quick and easy.

Communication with Xirrus Arrays takes place outside the data path so that the XM-3300 or the XA-3300 scales as the network grows without creating performance bottlenecks or points of failure.

### Scalability to grow as your network grows

- Multi-user, Web-based (JAVA) Application allows simultaneous access from any IP connected web browser
- Database-driven high-performance hardware scales to the largest of deployments and capable of handling multiple locations
- Policy-based configuration allows easy set up to a single Array or groups of Arrays
- Aggregation of Alerts and Alarms allow monitoring of the entire wireless network
- Overview and drill-down reports for security, users, performance, and RF Channel Usage
- Offered as Software-only application or pre-loaded onto a dedicated network appliance
- Flexible expansion packs allows the incremental addition of more supported Arrays as the network grows

### Automatic Discovery makes it easy to add Arrays

- Automatically discovers Arrays across subnets and anywhere in your network
- Newly discovered Arrays are automatically assigned and configured with default or pre-selected policies

### Configuration Management makes managing Arrays a snap

- Extends the capabilities of the Array's Web Management Interface (WMI) and Command Line Interface (CLI) by allowing the definition & distribution of configuration policies for the entire Wi-Fi network
- Save time by using configuration templates and simply apply the template to individual or groups of Arrays as needed

### Monitoring and Reporting to keep tabs on the network

- A single panel allows an aggregated view of all alerts and alarms in priority order
- Monitor wireless performance and diagnose interference and other issues before problems escalate – show wireless client associations and statistics on per Array basis or across the entire Wi-Fi network
- Provide detailed reporting by user, interface, Array or group of Arrays to assess the overall usage characteristics of the network
- Report on wireless performance across the entire Wi-Fi network down to the individual wireless station level to ensure users are getting the most of their Wi-Fi connections
- Monitor and alert when devices have gone off-line through health and status polling functions

### Security Management for a better night's sleep

- Continuously monitors for rogue access points and other unauthorized devices for enhanced network security
- Automatic authentication of Arrays to make sure that only authorized devices are a part of the wireless network
- Schedule software updates for individual or groups of Arrays at specific times and report on success failures – also archive previous software versions used

## Specifications

### XM-3300 Hardware

#### Chassis

- 1U, rack-mountable

#### CPU

- 3.2GHz Intel® Pentium Processor

#### Memory

- 1GB System Memory

#### Hard Drive

- Dual 320MB Drives
- Hardware-based RAID Level 0

#### Ethernet Interfaces

- 1 Gigabit (10/100/1000) uplink
- 1 Fast Ethernet (10/100) for out of band management

#### Other Interfaces

- PS2 Keyboard Port
- PS2 Mouse Port
- Integrated Intel Graphics Adapter

#### Operating System

- Microsoft Windows® 2003 Server

#### Database

- Integrated MySQL Database

#### Application Features

##### Security Features

- Multiple Administrator Accounts
  - Read-write & Read-only
- Integrated Rogue AP Detection & Alerting
  - Using dedicated RF Monitor in the Array
- Authenticate Arrays that are authorized as part of the Wi-Fi network

##### Networking

- DHCP Client
- DNS Client

##### Management Standards

- SNMPv1, v2
  - RFC 1157 SNMP
  - RFC 1213 SNMP MIB II
- RFC 1155 Management Information for TCP/IP-Based Internets
- RFC 1156 MIB
- RFC 1350 TFTP
- RFC 2030 SNTTP
- RFC 2616 HTTP
- Xirrus Private MIB

##### Policy Definitions

- RF & Channel Settings
- Security Settings
- SSIDs
- Network Settings
- Syslog Settings
- VLAN Definitions
- Firmware Upgrades
- Administrator Rights
- Group Arrays and apply policies per group

##### Alerts & Alarms

- Aggregation of all Array alerts & alarms
- Quick view Dashboard
  - Displays current alarms status

##### Syslog Features

- Internal Syslog Server aggregates all Array messages

##### Reporting Features

- On-demand HTML reports
- Filter by location or Array group
- Automatic charting and graphing

##### Report Types

- Array Performance & Utilization
- Fault Conditions
- RF Performance
- Channel Usage
- Station Bandwidth
- Station Errors & Security Reporting
- Rogue AP Detection
- Audit Array updates & changes

##### Firmware Management

- On-demand Firmware updates to one or more Arrays
- Schedule Firmware updates

##### Discovery

- Network-wide Array discovery
- Specify network ranges for discovery

##### Backup & Restore

- Save & restore all policy definition + all application data

##### Status LEDs

- System Status LED
- Power Indicator
- Ethernet (2) Uplink LEDs

##### Environmental

- 0-55C
- 0-90% humidity, non-condensing

##### Approvals

- FCC Class A
- UL/CuL Approval
- CE Mark

##### Dimensions

- Width 17.25in (43.8cm)
- Depth 16.5in (41.9cm)
- Height 1.75in (4.44cm)
- Weight 9lbs (4.08kg)

##### Warranty

- One Year Hardware
- 90 days Software

### XA-3300-CC

#### (Software-only Application) Requirements

- Intel Pentium 4 with a 2.8GHz CPU
- 1GB RAM minimum – 2GB recommended
- Microsoft Windows 2003 Server
- 1 Fast Ethernet (10/100) Uplink Port
- 20GB free disk space
- Monitor with 1024 x 768 or better resolution
- Mouse or other pointing device
- Available CD ROM drive
- Microsoft Windows XP with Service Pack 2 (SP2) or later

#### XM-3300 Model Numbers

##### (Dedicated Network Appliance)

##### Model Number

- XM-3300-CC-Base

##### Model Description

- 1U Network Appliance
- Management Software to support up to 10 Arrays

##### Model Number

- XM-3300-CC-SL

##### Model Description

- 1U Network Appliance
- Management Software Site License

#### XA-3300 Model Numbers

##### (Software-only Application)

##### Model Number

- XA-3300-CC-Base

##### Model Description

- Management Software-only to support up to 10 Arrays

##### Model Number

- XA-3300-CC-10

##### Model Description

- Management Software Expansion Pack to add 10 Arrays
- Supports XM-3300-CC or XA-3300-CC

##### Model Number

- XA-3300-CC-SL

##### Model Description

- Management Software-only Site License



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