

# Base Station Manager

## BSM

The AirWalk BSM is an open standards-based scalable solution for the operation and administration of AirWalk's AW-Series IP-RAN products.

The Base Station Manager is architected around the FCAPS concept, providing Fault, Configuration, Performance and Security management simultaneously for multiple IP-RANs.

### Fault Management (FM) Module

The FM monitors the system status, reports and logs alarm and fault information, which is displayed in a GUI format. Alarms presented include information to determine the event, indicate its cause and the best resolution for fault recovery.

### Configuration Management (CM) Module

The CM enables the operators to easily configure the IP-RAN for fast and efficient service deployments. Through the CM operators can administer multiple IP-RANs simultaneously to dynamically configure the necessary parameters to provide optimal performance.

### Performance Management (PM) Module

The PM gathers real-time call statistics through the IP-RAN and displays it in a GUI format for easy usage and performance analysis. The real-time performance statistics assist in day-to-day management, while historical data assists in long term planning.

### Security Management (SM) Module

The SM provides three levels of administration security; Root Level for access to all functions, Super Level for restricted read and write and Normal Level for read only.

## Hardware Platform and Performance Specifications

### Platform

Sun Microsystems Ultra SPARC  
Sun Microsystems Solaris 2.8  
Java J2SE

### Interfaces

Alarms/Events: SNMP  
Configuration Management: DHCP

### Capacity

50 AW-Series per BSM  
20 Simultaneous users/clients



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