

## M4.Manager

### *Mesh Central Management System*

In a MESH4G™-Enabled mobile broadband network, the Mesh Central Management System provides routing, switching and management functions. It also supplies the connection to the wired world. The M4.Manager hardware is comprised of off-the-shelf components; packet gateways and routers, optional media, and application servers.

System administrators can monitor and maintain their networks via the MESH4G™ Manager. It provides all the tools needed to provision and manage clients and network infrastructure. MESH4G™ Central Management software runs on off the shelf servers.

The M4.Manager Also Provides:

- Subscriber & device authentication and authorization
- Operations, Administration, Management, and Provisioning (OAM&P) services
- Inter/Intra-system mobility management

### Supports Data, VoIP and Video Services

The Mesh Central Management System can be configured to support any combination of voice, video and data services. Its modular design enables the capacity of each media offering to be scaled separately.

### Scalable From 25 to 200,000 Clients

Due to its modular design, the MESH4G™ Central Management System is highly scalable in terms of both performance and capacity. It can be deployed to economically serve 25 clients, and grow to support over 200,000.



### Off-the-Shelf Components

NOW Wireless makes extensive use of off-the-shelf hardware and software throughout the Mesh Central Management System. This results in a low-cost, yet very reliable design. Operations technicians with IT backgrounds will be able to maintain and upgrade the Central Management System with little training.

### Comprehensive Network OAM&P

The Mesh Central Management System supports a comprehensive suite of network management functions and capabilities. Security, client administration and accounting, as well as performance monitoring, are all integrated into the user interface. All network components (including client devices) are managed and monitored via industry standard SNMP.

### Optional Media and Applications Servers

Media and applications services can be integrated directly into the core fabric of the MESH4G™ management system. This enables general Mesh Central Management functions, such as network management, Internet security, or VoIP signaling, to be leveraged by these servers, which lowers capital and operating costs.

# Metropolitan Wireless

## M4.Manager SPECIFICATIONS:

### GENERAL INFORMATION

- Subscriber Capacity >  
Up to 200,000
- MESH4G™ Access Points Supported >  
Up to 500
- Battery Back-up >  
Configurable
- Power Consumption >  
110v/220v AC
- Packaging >  
Desktop or Standard 19-inch  
racks (1 to 4)

### NETWORK INFORMATION

- Network Interfaces Supported >  
10/100 Mb  
Ethernet  
Optional: T1, E1 or DS3
- VoIP Protocol >  
H.323, SIP
- Network Management >  
Central Management via SNMP  
Optional: HP OpenView™
- Authentication, Authorisation and  
Administration >  
DHCP/DNS address management  
Support of any IP-based VPN/encryption  
and MESH4G™ hardware authentication  
services
- Internet Security >  
Optional integrated hardware firewall

## MISC FUNCTIONAL COMPONENTS

