



The Andrew Integrated Management and Operating System is the network management solution for all Andrew repeater and distribution systems.

## A.I.M.O.S.

### Andrew Integrated Management and Operating System

A.I.M.O.S. is an OMC (Operation and Maintenance Center), based on state-of-the-art mechanisms and technologies for operating complex network systems. The A.I.M.O.S. software bundle contains a SNMP-northbound interface as well as GUI-clients, modem and user management.

The comfortable structure of the graphical user interface is based on the rules of easy-to-learn, self-explanatory and intuitive usage of software for system supervision, system control, maintenance (for example, software download) and software configuration (for example, users, passwords and access rights).

A.I.M.O.S. is continuously being extended and consolidated step by step as the platform for all of the Andrew mobile network coverage equipment.

- Client/Server concept
- Multi-user alarm forwarding via email, SMS
- Individual user and alarm profiles
- X.733 standard alarm management
- SNMP northbound interface for NMS integration
- Map view
- Packet data connectivity (for example GPRS)
- VPN
- Modem pool for redundancy and load management
- DB export to Excel®/ODBC interface
- Inventory Management
- Disaster Recovery
- High availability configuration

**A**ndrew's A.I.M.O.S. (Andrew Integrated Management and Operating System) is comprehensive new software that gives the ability to control and monitor optical distribution systems and repeater in mobile networks.

# A.I.M.O.S.

## Structure of the graphical user interface

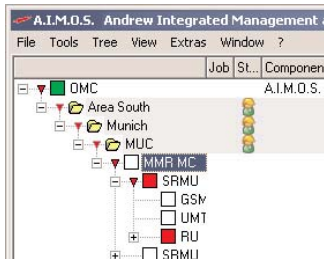
The graphical user interface contains:

- The main menu (layer 1)
- The network treeview (layer 2)
- The IOS (Input/Output System) (layer 3)

A.I.M.O.S. features most of the standard program functionality known from Microsoft® Windows®, for example, the menu bars, context menus or the drag-and-drop functionality.

### The main menu (layer 1)

- Menus for the general customization of the software and graphical interface
- Access to supervision and control core of A.I.M.O.S. (layer 2- Coverage Network Manager)



- ▶ all options for service and support for the administrator at one level
- ▶ access to supervision and control core for the operator (layer 2)

### The network treeview (layer 2)

- Display of system topology in tree structure
- Main features of the network treeview

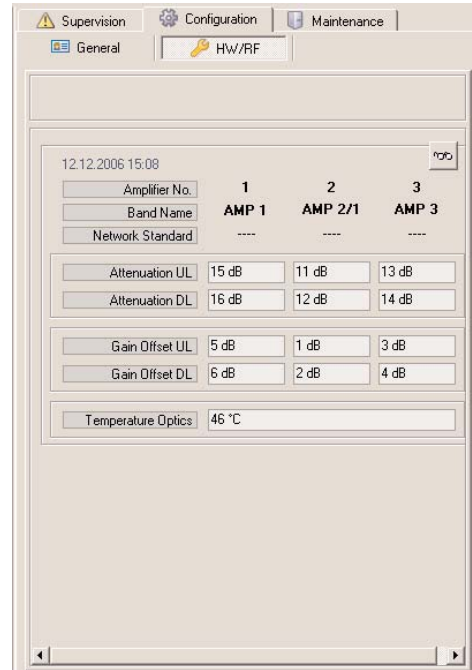
	<ul style="list-style-type: none"> <li>- OMC as control unit in master mode</li> <li>- Register optical repeater system (actual structure entry in database)</li> <li>- Create/delete and rename group folders</li> <li>- Structure and restructure system groups via drag and drop</li> <li>- Different symbols for units in alarm mode</li> <li>- Reduced treeview, full treeview; display or hide units in alarm mode</li> <li>- User dependent treeview (regional access rights)</li> </ul>
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Clearly arranged display of complete system structure

Direct selection of the unit in the network treeview panel

## The IOS (Input/Output System) (layer 3)

- Supervision and control features for the unit selected in the system navigator
- Clearly arranged features and adjustable settings with one mouse click

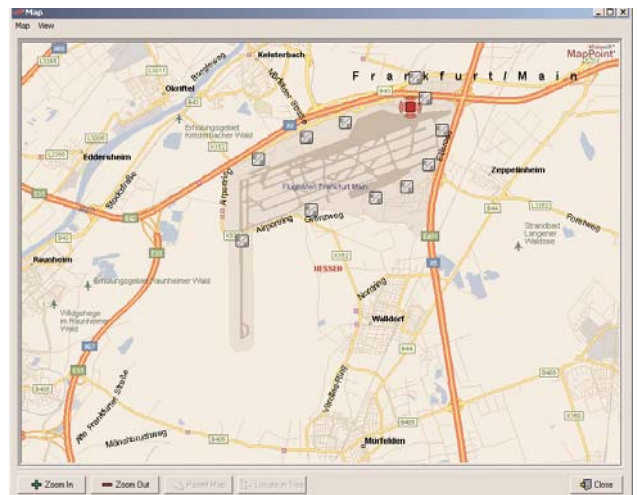


Features systematically structured

Change from 'display only' to 'display and customize' mode with one mouse click

### Map view (optional)

- Zoom mask down to street level detail (Europe, North America)
- Display of device icons in the Map including severity in case of alarms
- Installation photos or any other bitmaps can be linked to the unit



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## SNMP northbound interface (optional)

The SNMP Interface features complete user and X.733 standard alarm management.

- Access to MIB objects protected by user name and password
- Users with different rights possible
- System parameters such as time format to be used, requirements on passwords or validity period of a login session adjustable
- Comfortable alarm management:
  - an unlimited number of alarm recipients can be determined
  - assignment of alarms to alarm recipients can be made depending on time as well as on alarm type
  - alarm severity can be adjusted, alarms can even be totally disabled
  - a list of current alarms and an alarm history is available
- Configuration changes do not require a restart of the agent or the PC.
- The SNMP agent is a Windows® system service.
- To users logged in under Windows 2000/2003, a window for monitoring the activities of the service (counter, login possibilities), is available.

## OMC3.5x integration

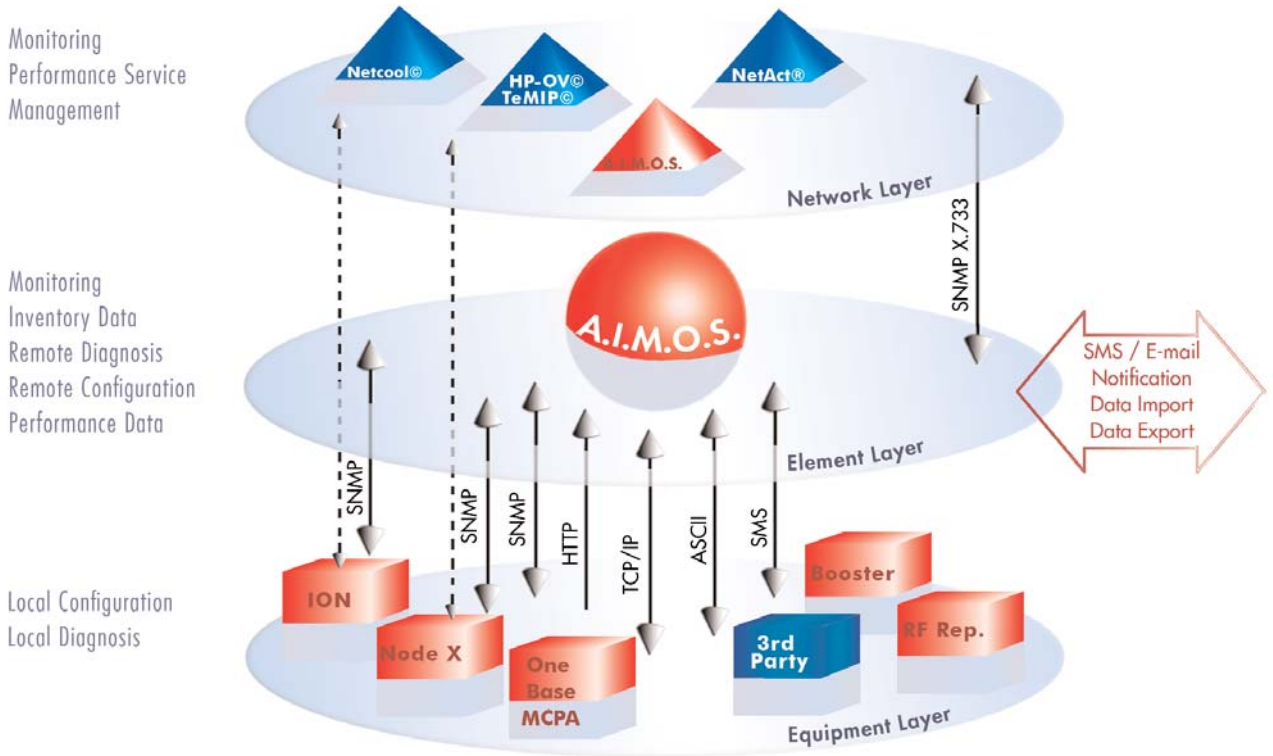
OMC3.5x is the management module for repeater of 1st and 2nd generation. It is now integrated in A.I.M.O.S..

- Modem server for up to 16 connect-devices
- Possibility to run OMC3.5x with other database (Unix based) via SQL interface

## System requirements (for use with one PC)

Operating system	.....	WIN2000 (+ SP1) Workstation or Server, WIN2003 Server Standard Edition, 32 Bit version only
CPU		
	Minimum .....	Pentium or higher (see Microsoft Windows System requirement)
	Recommended .....	Pentium IV 3000 MHz or Xeon
RAM		
	Minimum .....	512 MB
	Recommended .....	2 GB
Free space on the hard disk		
	Minimum .....	500 MB (depends on the operating system, on the number of units and the installed options)
	Recommended .....	2GB
Graphic card		
	Minimum .....	VGA 16 MB (1280 x 1024 resolution)
	Recommended .....	VGA 32 MB (1600 x 1200 resolution, high colour, 16 bit)
Network requirements	.....	100 MB LAN connection
Compatibility with OMC	.....	OMC3.54

A.I.M.O.S.



A.I.M.O.S. Overview



One Company. A World of Solutions.

Andrew Corporation  
Worldwide Headquarters  
3 Westbrook Corporate Center  
Suite 900  
Westchester, Illinois 60154 USA

Customer Support Center  
From North America  
Telephone: 1-800-255-1479  
Fax: 1-800-349-5444  
International  
Telephone: +1-708-873-2307  
Fax: +1-708-349-5444  
Internet: www.andrew.com

Andrew Wireless Systems GmbH  
Industriering 10  
86675 Buchdorf  
Germany  
Telephone: +49 9099 69 0  
Fax: +49 9099 69 930

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