

# OMC Solution – IP Radios

## COST EFFECTIVE E2E REMOTE NETWORK MANAGEMENT

- Intuitive, User Friendly GUI
- E2E Management of Transmission/Backhaul System
- Lower Total Cost of Ownership
- Simplified Remote Network Management



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## DETAILS

### A SIMPLIFIED APPROACH TOWARDS NETWORK MANAGEMENT

OMC - IP Radios is a cost effective and carrier grade solution enabling efficient network management and a high quality backhaul network.

The OMC can be tailored to meet the operator's requirements for both small and large networks. It is based upon a generic, multipurpose Network Management Framework. OMC is architected using the robust client - server architecture and can be easily dimensioned based upon the network requirements.

The OMC supports North Bound Interfacing with third party applications and can extend fault management to OSS location.

### BENEFITS

- **Extensive Tool for Supervision, Configuration, Deployment and Optimization of Backhaul Network**  
*Tailored to achieve efficient work procedures.*
- **Rapid Fault Resolution**  
*Real-time alarm view with rapid fault localization and rectification.*
- **Achieving Minimal Downtime in Each Phase of Evolution**
- **North Bound Interface Towards Centralized NMS**
- **Consistent GUI**  
*Access to full range of features including fault, configuration, performance & security management.*  
*Shortened learning curve with an intuitive GUI.*

### HIGHLIGHTS

- **User Friendly**  
*Intuitive GUI*  
*Job Scheduler*  
*Real Time Fault Reporting*
- **FCAPS Support**  
*Complete Remote Management*  
*Standard Compliant*
- **North Bound Interfacing**  
*Fault Management over CORBA IRP*

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## TYPICAL DEPLOYMENT

Typical deployment consists of

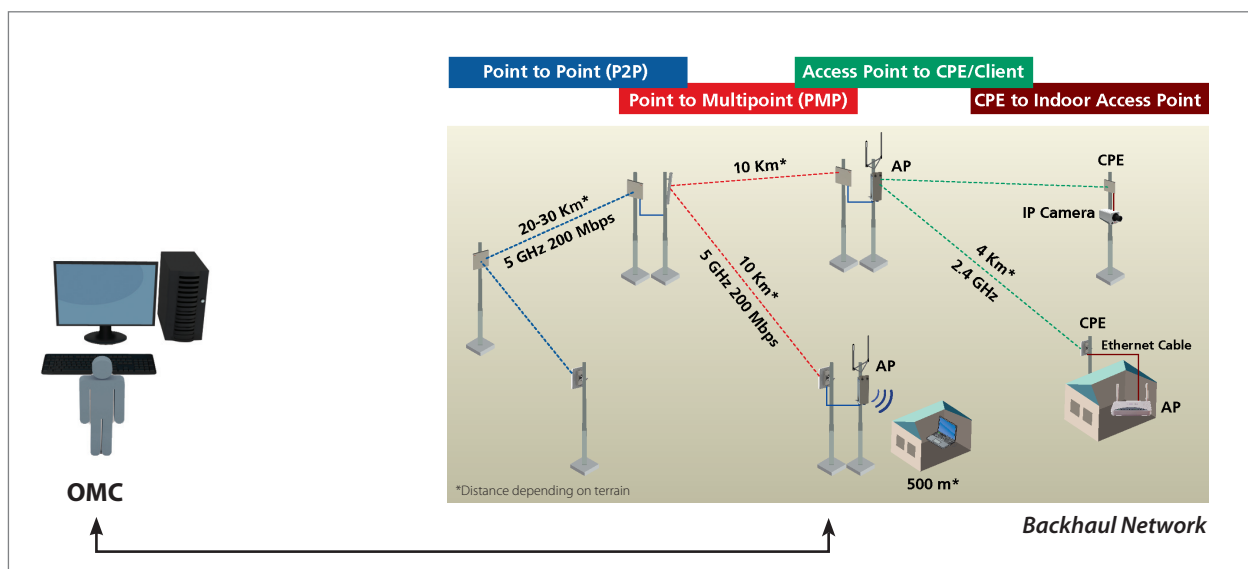
- Several Backhaul Radio Links providing last mile connectivity. The Links can be deployed in Point to Point (PTP) configuration, Point to Multi Point (PMP) configuration or combination thereof.
- Centralized OMC remotely monitors and manages the deployed links over IP Network. A consolidated view of complete network is presented. The user can configure the Radio Links, monitor system performance, get real time alerts for the faults, schedule periodic tasks and can generate customized reports.

The IP Radios Management Solution helps operators to achieve following Business Objectives

- Simplified Operations
- Enhanced Service Availability
- Improved Quality of Service

### FEATURES

- **Fault Management**  
*Alarm & Perceived Severity Status on GUI  
Alarm Logs*
- **Configuration Management**  
*Configuration at Network Element Level  
Easy to use GUI for Configuration*
- **Performance Management**  
*Performance Monitoring & Control at  
Element Level*
- **Security Management**  
*Restricted Access to EMS as Configured  
by Administrator  
User Profiling*
- **Software Management of All  
Managed Nodes**



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## SPECIFICATIONS

HARDWARE PLATFORM		
Hardware	Number of Nodes	Max Concurrent Users
Dual core 2.4 GHz, 2GB RAM, 100 GB HDD	Up to 75	10
One Quad Core Intel® Xeon® CPU, 4 GB RAM, 3 x 300 GB HDD	Up to 1000	25
Two Quad Core Intel® Xeon® CPU, 4 GB RAM, 3 x 300 GB HDD	Up to 2500	25

SOFTWARE PLATFORM	
Protocol	SNMP v1, SNMP v2
FCAPS Support	Yes
NBI Support	Yes (Fault Management over CORBA)
Job Scheduler	Yes
Notification	E-mail for Critical and Major Alarms
Geographical Viewer	Yes
Remote Upgrade Supervision	Yes
Security Administration	Yes

MANAGEMENT VIEWS	
Configuration View	Intuitive GUI
Report View	Customized Report Generation
Alarm View	View for Current and Past Alarms, Filters

## ABOUT VNL

VNL makes WorldGSM™, a complete GSM and Broadband Solution that helps mobile operators reach rural markets profitably. It is completely solar powered and optimized for rural markets. For the first time, mobile operators can build profitable businesses serving low-ARPU users in rural and remote communities.

**The microtelecom revolution is ready to begin and VNL is leading the charge.**

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