

Alcatel-Lucent OmniVista 8770 Network Management System

The [Alcatel-Lucent OmniVista® 8770 Network Management System \(NMS\)](#) is an all-in-one graphical management application that offers a unified view of your ALE communication network. It's simple to use, configure and operate from a single interface. Moreover, it automates operations by synchronizing with Microsoft Active Directory.

Communications are critical for your business. The OmniVista 8770 NMS helps you stay in control and have visibility on SLAs. It follows the FCAPS model of network management which includes instant alarm notifications, accounting reports and performance monitoring, all from a single comprehensive application suite.



Features	Benefits
Light web client including Unified User Management, OXE network configuration and Performance dashboard.	Web user friendly, no footprint on the administrators' PC.
Unified user management: Manage frequent users Move/Add/Change/Deletion (MACD), multi domains and right delegation. Get custom views. Manage one or several communication servers.	Efficiency: Spend less time on basic user management and delegate user provisioning. Focus on high-value tasks instead.
Microsoft Active Directory (MSAD) synchronization: The OmniPCX Enterprise and MSAD users are automatically synchronized.	Improve user experience and save time: Automate processes and prevent directory inconsistencies.
OmniPCX Enterprise network real-time configuration	Save time by a quick access to the full configuration of the OmniPCX Enterprise network via a single client
Automated remote systems back-up and scheduled upgrade	Avoid configuration data loss and always get the latest release.
Alarm monitoring: Instant notification on communication system failures or quality alerts.	Network availability: Immediately notify the appropriate people when communication systems issue critical alarms.
Topology graphical views: See communication server network performance on a map	Durability: Pre-empt potential network issues, be proactive on maintenance.
Accounting reports including threshold monitoring and cost tracking. Automated notifications.	Cost control: Manage multi-carrier and multi-currency billing. Reduce telecommunications costs by tracking abuses. Provide internal re-invoicing.
Communications and voice-over-IP performance monitoring: including users, trunks, radio base stations, attendants etc. Performance dashboards: OXE health, quality, activity, threshold detections, trunks and IP domains.	Control: Analyze usage and quality trends by tracking metrics. Ensure the communication infrastructure size corresponds to your business. Monitor the OXE performance in near real-time.
Manage My Phone: For OXE users to manage their phone set from a web page.	Simplicity: user friendly web interface to personalize the desk phone.

Datasheet

Alcatel-Lucent OmniVista 8770 Network Management System

Technical specifications

Unified User Management¹

- Quick user provisioning with profiles
- SIP devices deployment and user association
- Mass provisioning (including Rainbow users)
- User configuration
- Microsoft Active Directory synchronization and user provisioning
- Multi domains and customized views

Company Directory¹

- Access to corporate directory information through a web browser
- Click-to-call
- Automatic updates through internal and external directories
- Access through standard LDAP V3 clients

System configuration (including ALE racks and boards)

- Alcatel-Lucent OmniPCX Enterprise Communication Server (CS)
- Alcatel-Lucent OpenTouch Multimedia Services (MS) and OpenTouch Message Center (MC)
- Alcatel-Lucent OXO Connect
- Graphical view^{1,2} of Alcatel-Lucent Smart DeskPhone, Premium DeskPhones, DeskPhone 8 Series, DeskPhone 9 Series, ALE Enterprise, Essential and Basic DeskPhones

Topology and alarms monitoring

- Notifications of urgent situations
- Topology maps
- NMS internal and PBX alarm monitoring and notification
- Alarm resolution management

Accounting

- Multi-carrier and multi-currency accounting
- Consolidated view of telecommunications expenses
- Delivered with a set of predefined reports
- Possibility to create personalized reports

Performance monitoring

- Notification of threshold crossing
- Attendants, trunks^{1,2}, base stations and VoIP communications² performances monitoring
- OmniPCX Enterprise web performance dashboard

APIs

- Proxy SNMP for alarms
- Ticket collector for VoIP performance and accounting
- OpenAPI for users provisioning¹

Managed Communication Services Edition

- Automated emailing to lists of customers according to their preferences
- Consolidated alarms monitoring
- Backups, upgrades
- User MAC (Moves, Adds and Changes)
- Performance and accounting
- Multi domains¹
- Asset management

Start pack

- Unified management
- Accounting
- Alarms monitoring

Full pack

- Start pack features
- Performance monitoring
- Web company directory

Supported systems

- OmniPCX Enterprise CS from R6.0 and from R100.x Purple
- OXO Connect from R4.0
- OpenTouch MS and OpenTouch MC from R2.6

Hardware requirements and OS support for server stations

- Medium range (up to 5000 users)
 - Dual core 2 GHz or higher
 - RAM: 6 GB RAM
 - Hard Disk: 120 GB
 - Windows 10 and 11 Pro or Enterprise

- High range (more than 5000 users)
 - Quad core 2 GHz or higher
 - RAM: 8 GB
 - Hard Disk: 120 GB
 - Raid 5, 512 MB cache memory min.
 - Windows Server 2016 2019 2022 Datacenter and Standard Edition

Virtualization

- OmniVista 8770 NMS server
 - KVM/Proxmox
 - VMware ESXi
 - Microsoft Hyper-V
 - Nutanix
- OmniVista 8770 NMS client
 - Citrix XenApp server

Provisioning level

- Users managed on one server with Full Pack: 50,000 users
- Number of managed communication servers: 300

Security

- Active and passive redundancy
- Role-based and domain management
- User account management for system access

Supported browsers for web Directory access

- Google Chrome
- Mozilla Firefox
- Microsoft Edge
- Microsoft Internet Explorer

Supported browsers for users administration access (web client)

- Google Chrome
- Mozilla Firefox

Languages

- English, French, German, Spanish, Portuguese, Italian, Polish, Slovakian, Chinese (SCH), Czech, Russian, Hungarian, Korean, Croatian, Traditional Chinese

¹ Not available for OXO Connect

² Not available for OpenTouch MS and MC

