

UC for Enterprise Suite

UC Manager (UNIVERGE® MA4000)



At a Glance

- A powerful, easy-to-use management solution
- Centralized administration that integrates seamlessly
- Powerful, intuitive tools for simplified management
- Reliable fault management
- Advanced security through extensive controls
- Emergency Location Management

Overview

Voice and data applications are rapidly converging in the enterprise environment. This combined infrastructure has given rise to many innovative multi-media applications and services that have significantly increased user productivity. However, this increase in feature and service capabilities is of little value without proper administration and management. NEC's UC Manager provides the answer.

UC Manager provides secure, centralized administration for reliable management of a business's converged enterprise environment and empowers businesses by making their communications system a more productive asset.

Solution

Centralized Administration that Integrates Seamlessly

For a management system to be an asset to an organization, it must integrate seamlessly with existing management infrastructure. UC Manager accomplishes this integration by providing a single point of administration. It acts as the front-end for a business's entire NEC communications solution.

UC Manager uses common industry standards to ensure its effortless integration into a business's system.

- **Directory Auto Provisioning Service (DAPS).** UC Manager uses DAPS for deploying directory-based applications and solutions and provides support for both .CSV files and Lightweight Directory

Access Protocol (LDAP). UC Manager extracts specific information based on user-defined criteria.

- ♦ **Comma-Separated Values (.CSV) File** – is a common file format that is widely supported by most applications. It enables the easy transfer (import/export) of information between programs that operate on incompatible formats.
- ♦ **Lightweight Directory Access Protocol (LDAP)** – is a standard application protocol for accessing and maintaining distributed directory information over an Internet Protocol (IP) network. It defines the language in which client programs can talk to servers, and servers are enabled to talk to each other.
- **Single point of entry architecture.** UC Manager acts as a single point of entry for a business's IP-communications servers, voice mail, corporate directory, call accounting, E911 system and more.

- **Telecom Management Network (TMN) compliant.** UC Manager is built on principles defined by the TMN model and supports integration with Network Management Systems (NMS).
- **Simple Network Management Protocol (SNMP) integration.** UC Manager acts as an element management system (EMS) to communicate with network elements. It uses SNMP trap technology to forward and report network faults and inventory.
- **Security infrastructure integration.** UC Manager easily integrates with enterprise authentication infrastructure by integrating with existing LDAP-based and Microsoft® -based authentication methods.

Every element of UC Manager’s web-based interface is designed to empower IT technicians and managers. Its easy-to-use graphical user interface (GUI) eliminates the need for weeks of expensive training and costly certification for administrators. Drop-down lists simplify terminal provisioning and management, and basic moves, adds and changes are handled with an intuitive wizard-like interface.

Powerful, Intuitive Tools for Simplified Management

The wizard-based UC Manager Range Programming tool makes it easy to edit large groups of devices and handle moves, adds, changes and renumbering across multiple communications servers within a network. With this tool, Direct Inward Dialing (DID) numbers can be easily moved as well. Template programming is also simplified. UC Manager makes it easy to pre-define default configurations for stations, users and mailboxes. Those default configurations can be used to set up new devices or users by importing them with the Range Programming Tool, the Import Utility or the DAPS Integration.

UC Manager’s Real-Time Monitoring tool provides users real-time status for any station and Traffic Manager collects real-time VoIP and traffic statistics from UNIVERGE SV8300/SV9300 and SV8500/SV9500 Communications Servers as well as other NEC voice systems. These tools automatically provide capacity planning and immediate, threshold-based alerts when problems occur.

Reliable Fault Management

UC Manager’s proactive fault management stops network problems before they start. Faults are collected from all IP-communications servers and network applications in real time. Organizations can categorize these faults by type, severity, source or description and generate notices for each kind of fault.

Advanced Security through Extensive Controls

UC Manager provides companies with the most secure voice network communications available through its extensive controls, including:

- Proactive fault management
- Powerful end-to-end encryption
- Rapid disaster recovery
- Intrusion detection and toll-fraud prevention
- A single point of authentication into the NEC management interface
- An extensive audit history

Emergency Location Management

The accuracy of the Automatic Location Information (ALI) database records is a business’s responsibility. UC Manager provides businesses with the tools necessary to create and maintain an ALI database registry of all IP phones. This capability enables a business to maintain accurate location information for all employees. The format of the profile information for each extension stored within the UC Manager complies with the National Emergency Number Association (NENA) format. The registry can then be provided to the PSAP. As a result, when a 911 call is placed, the PSAP receives the caller’s actual location, and emergency services can be dispatched accordingly.

When used with UC Emergency On-Site Notification (UC E-OSN), it provides businesses with real-time, on-site notification through 24x7 monitoring when a 911 call is dialed. With UC E-OSN, on-site designated personnel are alerted of the event through a screen-pop and configurable audible alert. This provides them with a quick notification of what’s happening so that they can mobilize on-site resources to provide immediate assistance—instead of just waiting for the 911 team to arrive. This kind of alert saves precious time in getting help to those who need it, in high consequence situations.

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