

# Common Element Manager

## PRODUCT SHEET

### Key Benefits

*Comprehensive, Intuitive Management System for Total Control and Access Guard Secure Transaction Systems*

#### Simple, Intuitive Interface

Easy-to-use graphical interface that enables network operators to view system status and device availability at a glance

#### Supports Multiple Platforms

Enables service providers to utilize their network management platform of choice, allowing them to leverage their existing equipment investment

#### Highly Customizable

XML interface and scripting API's, providing a wide variety of options for developing custom device management extensions and clients

#### Flexible Client/Server Architecture

Client and server components can be separated, giving network operators the flexibility to deploy the management system in ways that best suit their needs

#### Extensive Value-Added Features

An array of advanced features, including customizable device folders and views, and enhanced security and access options.

**The Common Element Manager System (CEM)** features an easy-to-use graphical interface that enables network operators to view system status and device availability at a glance. It is based on Java architecture and it interoperates with service providers' network management platform of choice, enabling them to leverage their existing equipment investment.

#### Extensive Value-Added Features

The Common Element Manager System (CEM) provides flexible, centralized management for the Total Control and AccessGuard family of products. This powerful, next-generation solution enables performance, fault, and configuration management of single and multiple Total Control and AccessGuard chassis and their components in all NewNet-based service environments, including enhanced data systems.

Network operators can easily accomplish tasks using the CEM's comprehensive and integrated management capabilities, such as global configuration of groups of Total Control and AccessGuard chassis, perform bulk software downloads, and apply performance monitoring and troubleshooting across all NewNet-based networks. The solution enables oversight of third-party SNMP MIB-II compliant devices. Advanced, value added features include customizable device folders; convenient device displays, high-level security and device control, and advanced configuration services.

A Java based solution, NewNet's CEM runs on platforms supported by Java 2 SE Version 1.5, enabling service providers to use their server of choice, thus leveraging their existing equipment investment. Features include a flexible client-server architecture and easy-to-use graphical interfaces that allow network operators to view system status at a glance. In addition, the solution provides a common look and feel across all NewNet Total Control and AccessGuard service environments as well as open XML interface and scripting application interfaces, enabling network operators to rapidly develop and deploy new customized applications.

The Common Element Manager System communicates with the Total Control chassis via the network management card (NMC).

#### Value-Added Packages

##### Performance & Capacity Management

- On-demand analysis charts
- Scheduled performance reports
- Over-Capacity trend forecasting
- Real-time Dashboard Performance Monitor

##### Physical Interfaces

- Assign templates to various equipment (batch configuration)
- Audit equipment vs. template (showing deviations)
- Apply templates to re-provision equipment

##### CDR/RADIUS Accounting Server

- Ad-hoc queries and analysis charts
- Traffic count and data utilization reports

##### Physical Interfaces

- Operator selects what events, which equipment, who to notify, and how to notify

##### Device Learning Wizard

- Allows CEM to manage devices that do not have built-in management modules

## Standard Interface Across Total Control Environments

NewNet's CEM provides the ability to control the enhanced data services, IP telephony, and wireless access environments using a single, easy-to-use management interface. This minimizes the need for operator training, while maximizing operator efficiency.

## Multi-platform Support

The Common Element Manager System is designed for Java 2 SE V 1.5 Compliant platforms, giving service providers additional freedom in choosing the management platform that best suits their organizational needs. In addition, the NewNet solution can be installed on diverse access platforms, providing extra configuration flexibility.

## Flexible Client/Server Architecture

Based on a client server architecture that supports multiple graphical user and command line interfaces, the CEM System gives network operators an array of management options. Client and server components can be installed on a single system or separated in ways that suit customer requirements. For example, the CEM server component could be situated adjacent management devices, with the CEM client deployed in close proximity to operations personnel. Plus, CEM architecture provides the ability to create customized clients to meet the needs of individual NewNet customers.

## Technical Specifications

The system also includes an XML interface and scripting APIs, providing a wide variety of options for developing custom device management extensions and clients. The Flexible Client/Server Architecture allows for Client and server components to be separated, giving network operators the flexibility to deploy the management system in ways that best suit their needs. Additionally, it supports an array of advanced features, including: customizable device folders and enhanced security and access options.

## Software Requirements

Operating system with Java™ 2 Runtime Environment, Standard Edition, V 1.3, (optional) HP Openview  
UNIX Network Node Manager 6.1 or higher.

## Hardware Minimum Requirements

### Server

450Mhz CPU–Pentium™ III or Later UltraSPARCTM II, Later 256MB of memory and 500MB of free disk space

### Client

450Mhz CPU–Pentium™ III or Later UltraSPARCTM II, Later 128MB of memory, and 50MB of free disk space

NewNet Communication Technologies is a global provider of innovative solutions for next generation mobile technologies. NewNet specializes in Mobile Messaging, Interactive Voice Response, Secure Transaction Transport, Wireless Broadband and Network Optimization solutions that enable global communication. Founded in 1988, NewNet solutions have reached millions of end users in over 90 countries.