

# GEM X™ Encryptor Manager

## Universal Remote Encryptor Management and Discovery



### The Most Widely Used Encryptor Manager

One Manager for All IP Encryption Needs

Intuitive, Easy-to-use

Standards-Based

Automatic Discovery of Devices

Free GEM X Lite Version



### Overview

GEM X™ is an intuitive, easy-to-use encryptor management tool that allows administrators to remotely manage and control a single device or large network of encryption devices. The most widely used encryptor manager, GEM X is standards-based and uniquely provides automatic device discovery capabilities using the Generic Discovery Server. For users with a network of 25 or fewer encryptors, GEM X Lite is available at no cost.

### Features:

- Simplifies Device Configuration and Management
- Easy-to-Use Graphical Interface
- Sort and Display Pertinent Device Information and Status
- Operating Systems - Windows® XP, Windows 7, Windows Vista, Windows 2003 Server, Windows 2008 Server, Solaris 10™

### GEM X provides management capabilities for:

- TACLANE® Encryptors
- Sectera vPer Universal Secure Phone

### New Automatic Device Discovery Capability

The Generic Discovery Server (GDS) capability allows a HAIPE® device to be automatically discovered on the network. The GDS registers each new HAIPE on the network in a database that can be used by peer HAIPE devices to locate each other. Whether you are managing a large network or mobile HAIPE devices, the GDS provides significant benefits:

- Eliminates manual configuration and operator error
- Simplifies large/remote network configuration
- Reduces time to get online and go secure
- Increases network efficiency
- Provides optimal routing and redundancy

GDS, in combination with GEM X, provides a complete management solution – both device discovery and management. GDS comes bundled with GEM X and is also available as a stand alone product for GEM X Lite users. The ability to host both GEM X and GDS on the same platform with a single fronting device saves costs as well as administrative labor.

**GENERAL DYNAMICS**  
C4 Systems

# GEM X™ Encryptor Manager

## TECHNICAL SPECIFICATIONS

### SUN™/UNIX® CONFIGURATION

Solaris™ 10 operating system with all current patches

4 GB RAM

2 GB available space on hard drive

CD drive for installing GEM X software

Monitor with minimum supported resolution of 1024x768

Ultra SPARC 1.304 GHz Processor

### PC/WINDOWS CONFIGURATION

OS Supported: 32-bit Windows® XP, Vista, 7, Server 2003, or Server 2008 R1

2 GB RAM

2 GB available space on hard drive

CD drive for installing GEM X software

CD-RW, disk or tape drive for archives and backups

Intel Pentium D CPU 3.00 GHz (2 CPUs) or equivalent

Monitor with minimum supported resolution of 1024x768

### COTS SOFTWARE INSTALLED BY GEM X

BRASS version 17.1.0.14  
(SNMP service – Windows)

BRASS version 17.1.0.14  
(SNMP service – Solaris)

JBoss version 5.1.0 GA  
(Application Server)

PostgreSQL 8.4

### FRONTING ENCRYPTOR

TACLANE R3.x fronting TACLANE IP networks

### MANAGEMENT PROTOCOL

SNMPv1 and SNMPv3

### INTEROPERABILITY WITH ENCRYPTION DEVICES

TACLANE-C100

TACLANE Classic & E100

TACLANE GigE 3.1 or higher

TACLANE Mini 3.1 or higher

TACLANE Micro 3.3 or higher

Sectéra vIPer Phone 1.2 or higher

### CLASSIFICATION LEVEL

Software and documentation are unclassified

Manage encryptors at all levels up through TS/SCI

Network workstations are classified the same level as the network

### FUTURE ENHANCEMENTS

Release 4.1 – Adds HAIPE v4 Device Management

## TACLANE® Encryptors

- Manages up to 500 Devices
- Eases HAIPE® v3 Transition
- Easily Configure, Monitor and Upgrade Devices Remotely
- Assign Keys
- View and Retrieve Audit Logs
- Query Event and Audit Data

## Sectéra vIPer Universal Secure Phone

- Discover Phone IP Address
- View and Change Network Settings
- View and Change Phone Settings
- Change Passwords
- View Software Version

## Planned Enhancements:

- Management of HAIPE v4.0 devices (including Non-General Dynamics devices)
- Multiple Remote Users
- Enhanced User Interface
- Restore and Clone Configurations
- Extended vIPer Management Capability
- Web Interface
- Linux Support

## Cost-Effective Remote Management Solution:

GEM X is a complete software package that is easy to install and does not require any additional software or licensing.

The GEM Family of Encryptor Managers also includes GEM, GEM Lite and GEM Solo which are currently available to manage ATM encryptors such as the FASTLANE® ATM Encryptors and the TACLANE-Classic in ATM mode. GEM X Lite is designed for smaller networks and is available free to manage 25 encryptors or less.

Datasheet specifications are based on release 3.5.

## GENERAL DYNAMICS

C4 Systems

*Secure Communications: We Bring You What's Next*

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GDC4SE 05/02/12