

GEM X™ Encryptor Manager

Universal Remote Encryptor Management and Discovery



One Manager for All IP Encryption Needs

Intuitive, Easy-to-use

Standards-Based

Automatic Discovery of Devices

Remote Auditing Capabilities

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
- Manage up to 1,000 TACLANE® encryptors
- GEM X also now provides remote client capability secured by TLS
- Remote Auditing Capabilities

GEM X provides management capabilities for:

- TACLANE Encryptors
- Sectéra® viPer™ Universal Secure Phone
- ProtecD@R® KG-540A/B High Speed Data-at-Rest Encryptors

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.

GEM X Encryptor Manager

Cost-Effective Remote Management Solution:

An X.509 certificate is required for users that would like the remote client capability.

GEM X is a complete software package that is easy to install and requires only Java Runtime Environment (JRE) and Adobe® Flash® Player.

GEM X Lite is designed for smaller networks and is available free to manage 25 encryptors or less.

TACLANE® Encryptors

- Manages up to 1000 Devices
- Eases Transition to HAIPE® v4
- Easily Configure, Monitor, and Upgrade Devices Remotely
- Distribute and Fill Keys Remotely
- 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:

- Support for KMI OTNK (KMI Aware INEs) and Classified DGSK

Additional Ease-of-Use Tools:

- Generic Discovery Server (GDS) –Automatically discovers HAIPE devices
- Quick Start Wizard – Assists users with initial configuration of the unit
- TACLANE Configuration Tool – Assists users with the upgrade configuration process

TECHNICAL SPECIFICATIONS

■ PC/WINDOWS CONFIGURATION

- OS Supported: 32-bit Windows® XP, Vista, 7, Server 2003, or Server 2008 R1; 64-bit Windows 7, Server 2008 R1, Server 2008 R2
- 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 17.2.0.14 (SNMP service — 32-bit Windows)
- BRASS version 17.2.0.36 (SNMP service - 64-bit Windows)
- PostgreSQL 9.3

■ FRONTING ENCRYPTOR

- TACLANE R3.x fronting TACLANE IP networks

■ MANAGEMENT PROTOCOL

- SNMPv1 and SNMPv3

■ INTEROPERABILITY WITH ENCRYPTION DEVICES

- TACLANE-1G
- TACLANE-10G
- KG-540 A/B
- TACLANE-C100
- TACLANE Classic & E100 3.0 or higher
- 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

Datasheet specifications are based on release 4.1.1.

GENERAL DYNAMICS

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