

PRODUCT BRIEF



## SafeNet PrtSrv EXTERNAL 2, Toolkit PL1500

The SafeNet ProtectServer HSM models from Gemalto are hardened crypto servers designed to protect cryptographic keys against compromise, while providing encryption, signing and authentication services to sensitive applications.

### Highly Secure

SafeNet ProtectServer HSMs include a cryptographic module performing secure cryptographic processing in a high assurance fashion. The appliances feature heavy-duty steel cases with tamper-protected that safeguard against physical attacks and deliver the highest level of physical and logical protection to the storage and processing of highly sensitive information, such as cryptographic keys, PINS, and other data. Secure storage and processing means cryptographic keys are never exposed outside the Hardware Module (HSM) in clear form, offering customers a level of unavailability from software alternatives, while providing a certified level of confidentiality and integrity that meets the demands of industry organizations.

### Flexible Programming

SafeNet ProtectServer HSMs offer a unique level of flexibility for application developers to create their own firmware and execute it within the secure confines of the HSM. Known as functionality modules, the toolkits provide a comprehensive facility to develop and deploy custom firmware. A full-featured software emulator rounds out the flexible development tools, enabling developers to test and debug custom firmware from the convenience of a desktop computer. This emulator also serves as an invaluable tool to test applications without the need to install a ProtectServer HSM. When ready, a developer simply installs the HSM and redirects communication to the hardware — no software changes are necessary.

### Benefits

- Physical tamper protection
- True Random Number Generation
- Smartcard backup of key material

#### Performance

- Dual LAN
- Up to 1500 RSA signings/sec
- WLD (Work Load Distribution)
- Multi-threaded APIs

#### Easy Management

- Infield upgrade
- GUI HSM interface
- Remote HSM Management

#### Extensive API support

- PSE available in 25, 220, and 1500 performance models
- PSE+ available in 1500 performance model only.

### Easy Management

The intuitive graphic user interface (GUI) simplifies HSM device administration and key management using easy-to-understand navigation and user interaction. Urgent and time-critical management tasks — such as key modification, addition, and deletion — can be securely performed from remote locations, reducing management costs and response times.

The SafeNet ProtectServer PSE2+ HSM employs dual swappable AC power supplies to help high-availability data centers protect against power failures, and enables business continuity by providing the ability to connect the appliance to two separate power sources to safeguard against the possible malfunction of one of the sources. This provides the necessary flexibility to perform maintenance on or replace a failed power supply or power feed with the assurance that your device will continue to operate.