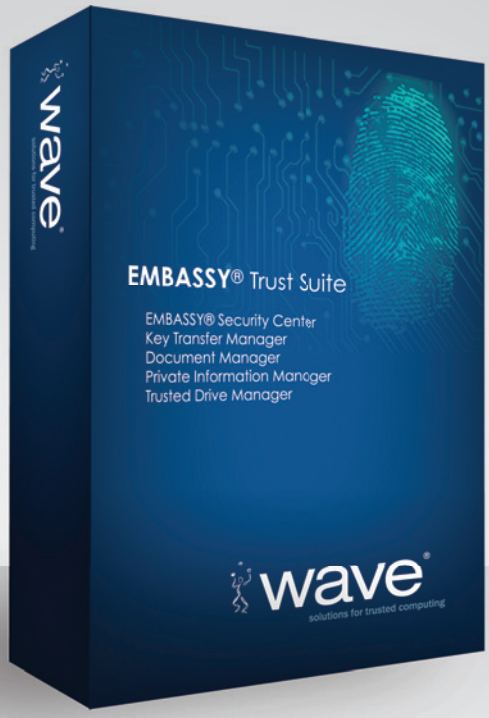
wave
Simplifying Encryption and Authentication

Data Sheet




# EMBASSY® Trust Suite

- Management of client security hardware – the TPM security chip and self-encrypting hard drives
- Strong authentication including biometrics, smart cards, and TPM-secured digital certificates
- User-friendly interface to manage the security hardware found on millions of laptops
- Secure access to corporate virtual private networks (VPNs) and wireless access points

Wave Systems' EMBASSY Trust Suite (ETS) delivers superior levels of data protection to the client PC, acting as the management center for advanced security hardware.

ETS includes multifactor strong authentication support for Windows logon using combinations of fingerprints, smart cards, Trusted Platform Modules (TPMs) and passwords. ETS also provides data protection, password management, TPM management and TPM key backup/recovery. The software integrates fully with Wave's enterprise servers for domain-based strong authentication (EMBASSY Authentication Server), for enterprise-level key management (EMBASSY Key Management Server) and for remote administration of self-encrypting hard drives and TPM systems (EMBASSY Remote Administration Server).

Because VPNs permit access to corporate networks from virtually anywhere, password authentication is viewed as too insecure. ETS adds the capability of using the TPM *and* biometrics to enhance security for VPN access. ETS compatibility with leading corporate VPN solutions allows enterprises to take full advantage of this feature with existing infrastructure.

## Key Benefits

- Provides strong, hardware-based data protection and strong authentication for enterprise PCs
- Secures data and local machine/network access from the moment the PC is turned on
- Supports multi-factor authentication to VPNs using biometrics and digital certificates
- Ensures compatibility with all TPM manufacturers supporting both new and legacy PCs
- Delivers superior encryption over software solutions
- Compatible with PCs containing TPMs or self-encrypting hard drives

One of ETS's most appealing features is its comprehensive and industry-leading management of self-encrypting drives – hard disk drives that incorporate full disk encryption into the physical drive. EMBASSY Trusted Drive Manager (TDM) supports the complete lifecycle of self-encrypting drives — from initializing preboot authentication and managing users to its support of drive decommissioning with instantaneous cryptographic drive erase.

## Key Components

**EMBASSY Security Center** — One-stop console for configuring security settings

**Trusted Drive Manager** — Set up preboot authentication and advanced security options for self-encrypting drives

**Document Manager** — Secure file and folder encryption, hardware-secured credential storage and management

**Private Information Manager** — Automatic form-fill assists users when making purchases on the Internet

**Secure Windows Logon** — Authentication policies using password, TPM, biometric and/or smart card authentication

**Key Manager** — TPM key backup and recovery to safeguard encryption keys in case of catastrophe

**Microsoft CAPI-compliant Cryptographic Service Provider (CSP)** — Third-party access to TPM operations

**Security wizards** that guide users through the setup of:

- *802.1x*
- *Secure Email using Outlook*
- *Encrypting File System (EFS)*

**Server Integration:**

- *Wave's EMBASSY Authentication Server (EAS) for domain-based strong authentication, policy management and biometric template roaming*
- *EMBASSY Key Management Server (EKMS) for enterprise-level key management and automatic backup*
- *EMBASSY Remote Administration Server (ERAS) for remote administration and security auditing of self-encrypting hard drives and TPM systems*

## Technical Overview


## Technical Requirements

### System Hardware

Trusted Computing Group (TCG) compliant Trusted Platform Module (TPM)

Self-encrypting hard drive — Optional (Seagate, Samsung, Opal-compliant)

### Operating System

Microsoft® Windows® XP Professional with SP2/SP3 or Windows Vista with SP1

### Available Systems

Available on Dell, Acer, Gateway and Intel systems

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