



# Wave EMBASSY® Remote Administration Server (ERAS)

Directory-based security management for SEDs, TPMs and BitLocker®

## Key Benefits:

- ✓ **Security:** Increases device security with centralized policy enforcement, secure user recovery and protected user and device credentials.
- ✓ **Compliance:** Achieves compliance through active monitoring, logging and reporting of all user and device events, associated with Self-Encrypting Drives (SED), Trusted Platform Modules (TPM) and BitLocker client PCs.
- ✓ **Cost:** Minimizes IT overhead and help desk costs associated with the setup, deployment and maintenance of device encryption and device ID solutions.
- ✓ **Fit:** Transparent control that fits within your infrastructure, fits with your users and fits your security needs today and tomorrow.

## Centralized Security Management

Organizations, both large and small, understand that centralized security management is a critical component to protecting their networks and, by association, the critical information that drives their businesses. Wave's software provides the policy-based access controls, comprehensive reporting, directory services integration, centralized control and end-user access recovery that companies require to cost effectively implement and administer endpoint encryption and authentication. Most importantly, Wave software gives IT the assurance that data is protected in the event that a computer (or its hard drive) is lost or stolen.

## Wave EMBASSY Remote Administration Server

Conventional security methodologies based on software alone fail to effectively authenticate users and machines on the network or secure data on lost or stolen laptops, or ensure compliance with laws that require disclosure of lost personal data. Fortunately, SEDs, TPMs and Microsoft® BitLocker, provide more secure, cost-effective and simpler ways to safeguard your critical business information. However, these technologies provide only half the answer. ERAS transforms SEDs, TPMs and BitLocker into enterprise-wide encryption and authentication solutions by adding essential centralized configuration and administration capabilities.

## Manageability and Control

ERAS provides a full set of capabilities to remotely search for, initialize, configure and administer a global fleet of computers with SEDs, TPMs and those using Microsoft BitLocker drive encryption. Through native integration with Microsoft Active Directory, ERAS delivers the means to centrally provision security policies to end-points across the enterprise, limit access of encrypted information to authorized individuals and remotely manage user and device credentials. Most importantly, ERAS adds an authority of proof, allowing organizations to demonstrate that they were, and are, compliant with regulations in the wake of a security breach. ERAS core features:

- Microsoft Management Console (MMC) snap-in provides both single user and group-level control
- Fully compatible with Windows Management Instrumentation (WMI)
- Delegated, role-based administration
- Support for non-domain computers
- Provides group policy objects (GPO), scripting and command line operations
- Setup wizards for SED, TPM and BitLocker



Simplifying Encryption and Authentication

## ERAS for Self-Encrypting Drives

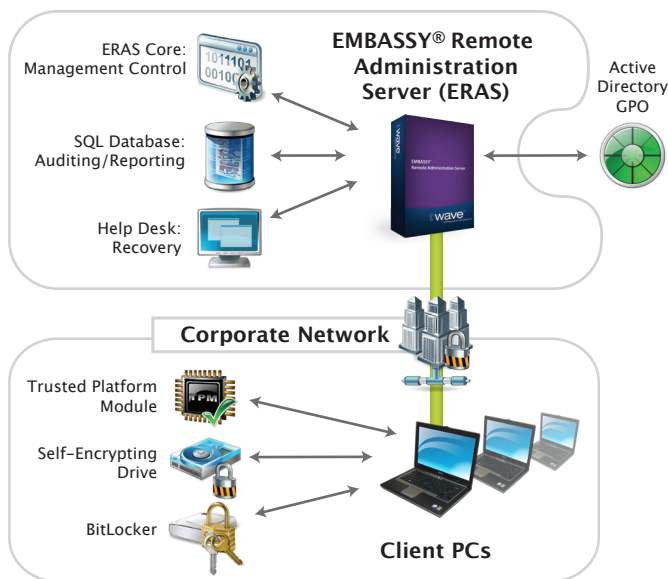
SEDs are the most secure, best performing and most transparent encryption option for protecting data on laptops. ERAS is the only management solution that delivers drive initialization, user management, drive locking, user recovery and crypto erase for all Opal-based, proprietary and solid-state SEDs. In addition, ERAS provides:

- Common Access Card (CAC), smart card
- Secure user recovery using challenge/response
- Windows password synchronization and single-sign-on (SSO)
- User based SSO after recovery
- Reports and logs of device and user status and events
- Control for external SEDs

## ERAS for Trusted Platform Modules

TPMs are the most transparent and least expensive way to protect user IDs and to identify which PCs are yours and which ones aren't. Instead of enabling TPMs one machine at a time, ERAS provides activation, ownership and management of TPMs from a central location. Once TPMs are turned on, you can use ERAS to create hardware-based digital certificates for your VPN, wireless or other PKI-enabled applications — eliminating private key risks and ensuring device identity. In addition, ERAS:

- Puts TPM management under IT control
- Delivers TPM password reset for user recovery
- Reports on the TPM status (active/owned)



## ERAS for Microsoft BitLocker

Microsoft BitLocker's tight platform integration and use of the TPM makes it a good starting point for drive encryption for organizations using Windows® 7. Wave ERAS provides a full set of capabilities to automate and secure the configuration and administration of Microsoft BitLocker. ERAS delivers a simple and intuitive administrative application for setting up, maintaining and reporting on BitLocker clients — eliminating the cost, complexity and uncertainty of designing your own solution through the use of "home-grown" scripts and directory modifications. In addition, ERAS:

- Enforces consistent policy settings across BitLocker clients
- Secures recovery passwords in an encrypted database
- Monitors, logs and reports on all BitLocker events associated with activation, policy management and user access and recovery
- Simplifies TPM activation for BitLocker and retains TPM for user and device authentication
- Provides a simple and transparent migration path from BitLocker to SEDs

## Technical Specifications

### Server Hardware Prerequisites (for managing up to 2000 accounts)

- System Processor: Minimum: 2 GHz, Recommended: 2.5 GHz, 4 Core or better
- System Memory: 4 GB RAM or more is recommended
- Free Disk Space: Minimum: 10GB Recommended: 40 GB
- 1 GB network interface

### Operating System

- Microsoft® Windows® 2003 R2 and above, Windows 2008 R2 recommended

### Compatible Server Components

- Domain functional level of Windows 2003, 2008 or 2008 R2
- Microsoft Management Console 3.0
- Group Policy Management Console
- Microsoft SQL Server 2005 and above, 2008 or above recommended
- Microsoft Internet Information Service 6.0 (IIS) or IIS 7
- .Net Framework 3.5 and 4.0

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