HID®

IdenTrust® TrustID®
Secure Email Solution

A LOW COST SOLUTION TO MITIGATE EMAIL HACKING

- **Verified Communications** – Use digital signing to confirm that emails have not been tampered with.

- **Message Confidentiality** – Encrypt messages using a SHA-256 based digital certificate.

- **Effortless Application** – Apply for a certificate online with no requirement for personal identification or notarized documents.

- **Quick Approval** – Retrieve your certificate just minutes after you confirm your email address.

- **Interoperability** – Use immediately with standard email products.

- **Economical** – A great alternative for users who only require email protection.

TRUSTID SECURE EMAIL CERTIFICATES

- Seamlessly integrated with standard email clients

- Provide email recipients with confidence that messages actually originated from your email account

- Allow senders to use the public key associated with your certificate to send you encrypted email, protecting your communications

Email Fraud is Commonplace

We frequently hear about new email scams that are committed to gain access to private information, falsify transactions, steal identities and otherwise perpetuate fraudulent activities. Even so, we are increasingly tied to our electronic devices to maintain constant communication with people and businesses we know and in some cases we don't. We shop online, make inquires online and use online email applications to transact business and to communicate with one another.

Many of us are familiar with the term phishing, where fraudsters send emails in an attempt to coax us into providing confidential information such as passwords and account information. Clever fraudsters can intercept email and glean information that is intended to be kept confidential. Very clever fraudsters can even access a person's email account and send actual communications from that account using business and personal contact lists associated with the account.

Without protection, we run the risk of experiencing an email compromise when we least expect it.

IdenTrust® Has a Solution

A TrustID® Secure Email certificate is used with your existing email account to help protect email. With a Secure Email certificate, you can digitally sign your emails so that the recipient knows for

certain that the email came from you. When you digitally sign an email with a TrustID Secure Email certificate, the content of the message is locked to prevent tampering during transit, which provides additional security and preserves the integrity of your message. With digital signing, even if a fraudster intercepts your emailed message, they cannot alter the contents or falsify the digital signature.

For added protection, your TrustID Secure Email certificate can also be used to exchange encrypted email messages, the content of which is only intended for you to view.

Obtain a TrustID Secure Email Certificate

TrustID Secure Email certificates are issued to an applicant's confirmed email address. Based on the selected purchase option, the certificate is stored in a browser, token or smart card. After submitting the information required to approve a certificate, IdenTrust will authenticate your email address and then provide activation information required to download your certificate from our retrieval website.

Apply for a TrustID® certificate to protect your email.

For bulk certificate issuance or if you are interested in an enterprise solution, please contact the IdenTrust Sales team directly.

HID

UNDERSTANDING HOW YOUR CERTIFICATE WORKS IS "KEY"

A digital certificate has attributes that define what it can be used for:

- Signing
- Encryption

A digital certificate is comprised of two basic components:

- A public key which is used by others to send encrypted email communications to you
- A private key which is used by you to sign emails and unlock encrypted email communications sent to you

A public key is published and/or exchanged to facilitate email encryption and can be:

- Exchanged via a signed email communication
- Attached to your contact card in your associate's address book
- Published to a Global Address List (GAL)

Email accounts can be configured to send signed and/or encrypted messages:

- Select signing and/or encryption for each email individually
- Set your email to automatically sign and/or encrypt all emails

To provide added flexibility, security and portability, IdenTrust offers various options for storing your TrustID Secure Email certificate:

- Browsers
- Tokens
- Smart cards

SPECIFICATIONS

Certificate Usage	**TrustID® Secure Email Software-Based Solution**
	■ Use from a SINGLE computer
	■ Install in a browser
	  - Microsoft® Internet Explorer
	  - Mozilla® Firefox
	■ 30 days, one (1) and three (3) year validity periods
	  - Renewable online prior to certificate expiration
	
	TrustID Secure Email Hardware-Based Solution
	■ Use from MULTIPLE computers
	■ Install in a device:
	  - Token
	  - Smart card
	  - Smart card and OMNIKEY® reader
	■ 30 days, one (1) and three (3) year validity periods
	  - Renewable online prior to certificate expiration
	  - Reuse purchased hardware device (no fee applied)

Supported Email Products	■ Microsoft® Outlook and Outlook Express ■ Mozilla® Thunderbird ■ Lotus Notes® Mail ■ Apple® Mail
Technical Specifications	■ X509 v3 digital certificates ■ 2048+ bit key length ■ SHA-256 hashing algorithm ■ Certificate Revocation List (CRL) and Online Certificate Status Protocol (OCSP) validation

GENUINE HID PRODUCTS™

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