totemomail®

# Datasheet: totemomail®

## Key Facts

*Security*

- Hybrid Email Encryption Gateway (with end-to-end, end-to-gateway and gateway-to-end encryption capabilities)
- No installation of specific email clients or plug-ins
- Automatic certificate and key generation for S/MIME and OpenPGP
- Support for Microsoft Rights Management Services (AD RMS and AIP)
- Comprehensive policy and key management
- Flexible definition of corporate security policies
- Dynamic certificate generation for internal email encryption (patented in CH, EU, US and Canada)
- Integrated anti-virus, anti-phishing and anti-spam protection (optional module for **totemo**mail® appliances)
- Optional module to send large files by email

*System Administration*

- Central installation and configuration as well as highly automated system administration
- Simple, rapid and efficient integration with any existing email infrastructure as well as with existing PKI systems, certificate authorities and directory services
- Web-based administration console with GUI including dashboard and message tracking center
- Capable of multi-tenancy and highly scalable
- Single point of configuration for clustered and multiple instances environments
- Role-based administration (rights management)
- Comprehensive reporting capabilities with charts and diagrams
- Audit logs, audit user role and enhanced tracking capabilities for internal and external reviews
- DLP functionalities, additional connectivity to external DLP systems (RSA, Symantec) possible
- Comprehensive and fully scalable solution

*Transparent Handling and Ease of Use*

- Fully automated registration of internal and external communication partners (auto user enrollment)
- No need for additional user training
- System notifications to end-users can be freely defined
- Alternative email encryption methods without the need of a certificate infrastructure (optional modules, available as push and pull technology)

## Supported Standards

- S/MIME, OpenPGP and SSL/TLS
- Connectivity to external certificate authorities and PKI systems through automated interfaces
- Connectivity to various directory services such as Microsoft Active Directory, Key Server and X.500 Directories
- Connectivity to Hardware Security Modules (HSMs) from Thales, SafeNet/Gemalto and Utimaco
- Online validation of certificates through CRL/ARL and OCSP
- SAML 2.0 connection for single sign-on

## System Features

*Supported Operating Systems*

- Microsoft Windows (2003, 2008, 2012)
- Linux (CentOS, Red Hat, SuSE)
- Solaris

*Virtual Environments*

- VMware®, Azure Infrastructure

*Hardware Appliances*

- M4110, M8110

*Language Versions*

- English, German, French, Italian

## Interfaces & Formats

- SMTP(S), HTTP(S), SNMP
- LDAP(S), OCSP
- AD RMS, AIP
- S/MIME (v2, v3), X.500, X.509, PEM, DER, PKCS#7, PKCS#12
- OpenPGP, PGP Keys, PGP/MIME, PGP/Inline, HKP
- PKCS#10, PKCS#7, RFC2797, CMP, CRL/ARL, OCSP
- PKCS#11

## Cryptographic Standards

*Asymmetric Encryption:* RSA, DSA, El Gamal

*Symmetric Encryption:* (RC2, RC4, DES)*, 3DES, Blowfish, Twofish, Cast5, AES, AES192, AES256, IDEA, Safer-SK128

*Hash:* (MD2, MD5, MDC2, SHA, SHA-1)*, SHA-256, SHA-384, SHA-512, RipeMD160, Tiger, Haval

* not recommended

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