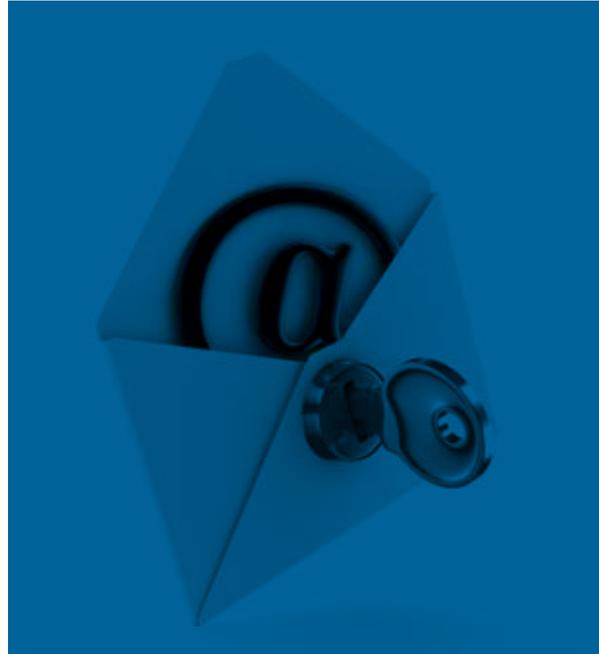# CompuMail Gateway

Did you ever worry about your e-mail traffic?
Do you send sensitive information by e-mail?

CompuMail Gateway encrypts and signs e-mails and is the solution for e-mail protection.

Easy to integrate, to manage and to use, automatic encryption, secured e-mails even to third parties, webmail functionality.

**CompuMail Gateway has it all!**

# E-Mail
# Encryption

## Compumatica
SECURE NETWORKS

English

*Cybersecurity* with a personal touch

# // CompuMail Gateway

**C**onfidential information is exchanged every day between many different communication partners without considering the protection of the data. Communication by e-mail is a serious security issue for each organization.

E-mail traffic finds its way over the internet via many routers and provider networks, out of control of the organization. These routers and provider networks are almost not secured, and therefore it is very easy for hackers, but also for providers, to intercept e-mail traffic and use this for espionage and commercial purposes.

## CompuMail Gateway

CompuMail Gateway encrypts and signs all the e-mail traffic and is the solution for secure e-mail in an organization. CompuMail Gateway is a software application, which is centrally integrated in the SMTP chain. The encryption can be done by four different methods: S/MIME, OpenPGP, PDFMail or CompuWebmail. The webmail functionality allows to send e-mails via the web from an external device and location.

With PDFMail it is possible to encrypt and sign e-mails to third parties which don't have certificates for the encryption of e-mails. The addressed user can,

by entering a password, open and read the PDF document with the e-mail content and optional attachment(s). Encrypted answering is possible by pushing the reply button.

CompuMail Gateway is very easy to integrate in existing networks, to manage by a central web management, and the end-user doesn't need to do anything to send encrypted e-mails.

## Central Management

The implementation and administration of the CompuMail Gateway can easily be done by the web management. The administrator can add rules and groups for the users. These rules are binding and can't be denied. CompuMail Gateway encrypts and signs e-mails of users to predefined e-mail addresses of user groups automatically. The responsibility is transferred from the end-user to the administrator.
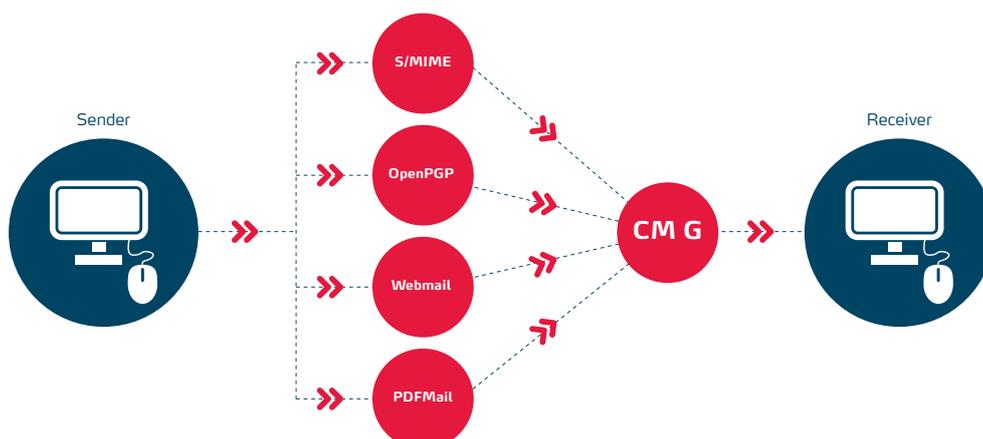
# // Features

### S/MIME encryption
A very secure way of e-mail encryption is the S/MIME protocol. X.509 certificates are used by S/MIME and can be created by the administrator or PKI trustcenter. The user doesn't need to have any technical knowledge to use S/MIME.

### OpenPGP
The open standard for key pairs based on e-mail identity is a fast and secure method for exchanging information. By importing these key pairs into the CompuMail Gateway e-mails can automatically be encrypted and decrypted.

### PDFMail to third parties
With PDFMail a user can send an e-mail to third parties who don't have e-mail encryption. The user receives an encrypted PDF document and, after entering the password, the e-mail in the PDF document can be read and answered.

### CompuWebmail
With the CompuWebmail functionality each registered user can, from an external device and location, send and pick up encrypted e-mails, without the need of own encryption software. This can be seen as a secure hosted mail service or private cloud mail.

### Transparent for users
The user doesn't need to do anything to encrypt e-mails. The responsibility for securing e-mails is transferred from the user to the administrator. The user can also decide to encrypt an e-mail in case there is no central rule.

### Automatic encryption and signature
Encryption is an important mechanism for e-mail communication without security risks. It is also possible to add a digital signature to e-mails. The recipient can verify this signature.

### Central management
In the easy to configure web management the administrators can implement and manage CompuMail Gateway, add users, configure certificates, manage keys, audit and force security policies.

### Hardware Security Module [optional]
To make the CompuMail Gateway more secure it is possible to store cryptographic mechanism and private keys in a secure area by use of an HSM. With this HSM the CompuMail Gateway is even more secure.
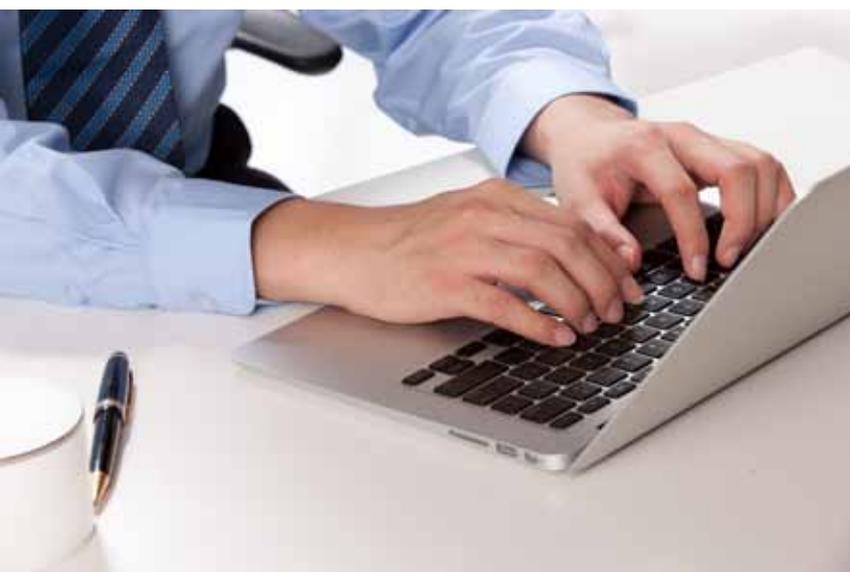
*"Automatic encryption of e-mail"*

# // Reliable solution

CompuMail Gateway is developed by Compumatica and doesn't contain any backdoors. Nobody has access to the key material, even Compumatica doesn't. To confirm this statement every customer is allowed to have a look into the source code.

## CompuWebmail

CompuWebmail is a secure webmail service managed by your own organization. Each e-mail is encrypted with the most modern encryption methods.

Due to the fact that CompuWebmail is managed by the own organization, it is a very reliable and secure solution for worldwide communication with partners, customers etc. Organizations can securely communicate internally and externally with the use of CompuWebmail. The user doesn't need to install software or have technical knowledge to work securely from each location. All you need is a web browser.

*Petra van Schayik*
*CEO Compumatica*

*"Cybersecurity with a personal touch"*