

Legally compliant eSignatures – simple and cost-effective



Benefits:

- » **Cost-effective and simple integration into existing processes**
- » **Flexible application due to different interfaces and signature formats**
- » **Continuous adaptation to current legal requirements**

secunet multisign generates and verifies qualified electronic signatures. Quality, compliance and reliability of this solution are proven by means of corresponding tests according to international security criteria and certifications according to the German Signature Act. The certifications of legal compliance are renewed on an ongoing basis.

Continuous legal compliance

secunet multisign was tested by the independent, accredited certification office TÜVIT. The result: secunet multisign was proven to comply with the legal requirements and may bear the Quality Mark of the voluntary vendor accreditation. The test was performed on the basis of an evaluation according to the internationally approved ITSEC security criteria. With secunet multisign, you ensure full compliance with the German Signature Act when introducing electronic invoicing in your organisation.

Supports all file formats

The highly performant and scalable secunet multisign technology signs and verifies a vast range of data formats. We place particular importance on optimised processes, for example by integrating the signature and the verification report into the PDF format so that no additional files are

created – your customer receives a single invoice document, signed and already verified. Of course, you can also sign all machine-readable formats such as XML in a flexible way.

Easy integration due to standard interfaces

In order to simplify integration into existing systems to the maximum extent possible, secunet multisign supports both synchronous and asynchronous interfaces. You can directly integrate the solution SOAP or a C-/JAVA API, control it via configurable In/Out directories or automatically sign and send the attachments of e-mails. This way, secunet multisign is easy to integrate into your existing processes. And you can always opt for a different version of secunet multisign since the Box, Enterprise and Service solutions have the same interfaces and are compatible. This keeps the costs for converting to a different version minimal.

Cost-effectiveness

We offer flexible licensing schemes for secunet multisign to meet your individual requirements: You can buy, prepay or lease a system for an in-house solution. And if you opt for the signature service, you can choose among a volume-based rate and various flat rates.

One technology – several offers

Our customers have different requirements in terms of a solution for legally compliant electronic signatures. Therefore, we provide different offerings to suit your demands:

■ **secunet multisign Enterprise**

The secunet multisign Enterprise server is a high-performance software solution under SUN Solaris® or Linux. It is designed for use in computer centres since it provides multi-client capability and can be scaled as required.

■ **secunet multisign Box**

secunet multisign Box is the simple and pre-installed in-house solution for medium signature volumes of up to several thousand signatures per day. The Box is a combined hardware and software solution with integrated card reader that is easy to configure and integrate into your existing invoicing process.

■ **secunet multisign Service**

secunet multisign Service is the ASP solution for legally compliant signatures. You can have your invoices and other data signed in the highly secure Trust Centre environment. Of course, the data can also be signed on your behalf.

Further services

You can use secunet multisign in any combination with e-mail encryption solutions. We provide these types of solutions as in-house solutions and as ASP services. The extended offering includes customer portals for signed documents as well as archiving services and e-mail transmission. We are pleased to take on your complete security management within the scope of an in-house service solution.

Signature formats	
PDF with integrated signature	Adobe PDF specification version 1.4
XML-DSig	W3C Recommendation 12.12.2002 (RFC 3275)
Simple signature, e.g. for EDI data	RSA Cryptography Standard PKCS#1
Standard signature format for any type of data	PKCS#7: Cryptographic Message Syntax Standard (RFC 3852)
Time stamp	RFC 3161, XAdES-T
Interoperability	
Standard profile ISIS-MTT	Version 1.1
Evaluation	
Functionality and security	ITSEC, level E2 high, continuously updated
Confirmation	
German Signature Act	§ 15 section 7, continuously updated
Functions	
Creation and verification of signatures	Refer to signature formats and interoperability
Time stamp request	Also in connection with signature creation
Certificate verification	Refer to interoperability
Cryptographic methods	
Hash algorithm	RIPEMD-160, SHA-2, (SHA-1)
Signature algorithm	RSA 2048 Bit, (RSA 1024 Bit)
Signature cards	
Current Signtrust cards, others on request	
Interfaces	
Directory interface	SMB protocol
Programming interface (network communication via https)	C-/Java-Bibliothek, SOAP
E-mail interface	SMTP
Verification of certificate	
Online (OSCP)	RFC 2560
Certification Revocation List (CRL)	RFC 3280
Scalability	
Multi-client capability	Any number of independent clients
Chip card pooling	Parallel chip card mode to increase data throughput

More information:
www.secunet.com



secunet Security Networks AG
 Kronprinzenstraße 30
 45128 Essen, Germany
 Phone: +49-201-5454-0
 Fax: +49-201-5454-1000
 E-mail: info@secunet.com
www.secunet.com