genua.

genusecure Suite

Comprehensive Security Solution for Classification Level German VS-NfD Compliant Workplaces

SecurITy made in Germany

With genusecure Suite, working remotely in compliance with the classification level German VS-NfD is easy to implement – with 100 % usability and flexibility.

This enables the public sector and companies to create an ideal workplace anywhere and anytime, where state-of-the-art technologies simplify and secure workflows and minimize the risk of data loss on all end devices.

genusecure Suite
Comprehensive Security Solution for Classification Level German VS-NfD Compliant Workplaces

genusecure Suite meets all BSI requirements for secure teleworking while providing the performance of advanced IT tools for effortless collaboration.

With genusecure Suite, New-Work-compliant workplaces that meet the classification level German VS-NfD can be easily established as needed, and the users benefit directly from proven and powerful solutions for classification level German VS-NfD.

genusecure Suite combines proven, integrated solutions for classification level German VS-NfD:

- Automatic and highly secure, BSI-approved connectivity for all remote users via the **VPN Software Client genuconnect from genua GmbH**
- Top level hard drive encryption approved by the BSI with **Utimaco DiskEncrypt**
- Secure multi-factor authentication and digital signatures with smart card middleware **Nexus Personal Desktop Client**

The individual components of genusecure Suite work together seamlessly, even with updates and adjustments. They are managed centrally and can be configured individually.

After personalizing the end device via a smart card, the workplaces and tools are ready for use – and they offer the decisive technological prerequisites for an innovative and highly secure working environment.

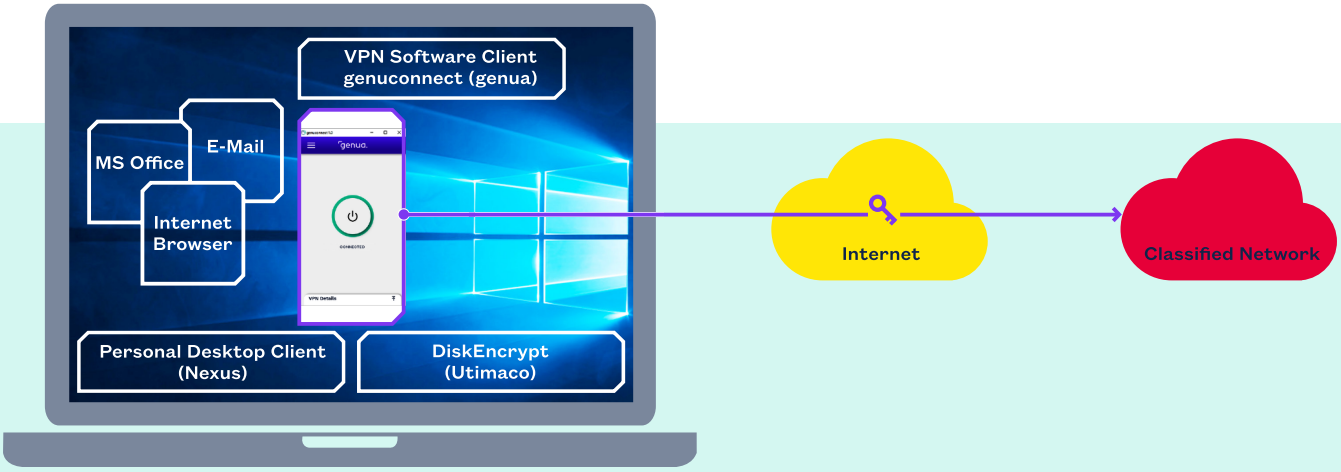
All-in-One Security
genusecure Suite is designed for any organization that requires classification level German VS-NfD, and it safeguards connections, applications, and data of mobile devices running Windows 11.

Simple & Convenient
The users work via the familiar Windows interface without any additional layers.

Future-Proof & Mobile
The completely software-based suite offers all-round security for New-Work concepts.

Reliable & Approved by the BSI
The VPN Software Client genuconnect and the hard drive encryption Utimaco DiskEncrypt meet the highest security requirements and are approved by the BSI.

genusecure Suite
Three Powerful Security Components



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Automatic, highly secure connectivity approved for classification level German VS-NfD for all users with genuconnect from genua GmbH

utimaco®

Top level hard drive encryption approved by the BSI with Utimaco DiskEncrypt

nexus
INGROUPE

The smart card middleware Nexus Personal Desktop Client for secure multi-factor authentication and digital signatures

More Information:
www.genua.eu/genusecure-suite

VPN Software Client genuconnect

The IT security solution enables highly secure connections to the network of organizations, which ensures secure remote working.

Technology Benefits for genusecure Suite:

- Fully integrated with hard drive encryption and smart card middleware
- Hard drive encryption and VPN Software Client are approved for classification levels German VS-NfD, NATO RESTRICTED, and RESTREINT UE/ EU RESTRICTED
- Maximum protection is ensured through the use of proven IPsec technology and BSI-compliant crypto algorithms in combination with a smart card
- Use of common smart cards (from CardOS 5.x, optimally 5.3)
- genuconnect can easily be scaled for infrastructures with more than 100,000 VPN clients

Flexibility and Future-Proof for Users and Companies:

- It automatically establishes a highly secure VPN connection for all users
- Impressive user-friendliness
- Seamless workflow with powerful security features
- Mobile devices are secured against unauthorized access
- Scalable with expanding infrastructures
- Compatible with the Microsoft ecosystem: The VPN Software Client is managed with the existing Windows tools for quick installation, configuration, updates, and uninstallation

More Information:
www.genua.eu/genuconnect

Utimaco DiskEncrypt

The hard drive encryption was specially designed and developed for German government customers and industries with an obligation to maintain secrecy in accordance with the requirements of the BSI.

Technology Benefits for genusecure Suite:

- Pre-boot authentication via smart card offers effective protection against unauthorized data access if a laptop is stolen or lost
- Secure entropy generation using a random number generator approved by the BSI and HSM – Utimaco CryptoServer CP5 for classification level German VS-NfD (optional) or smart card integration
- Support for Microsoft upgrade feature allows upgrading Windows 10 SAC to a subsequent version while keeping the encrypted partitions/ hard drives

Flexibility and Future-Proof for Users and Companies:

- Sector-based, hard drive encryption with reliable data security without sacrificing performance
- DiskEncrypt clients are configured completely offline
- Approved for information with classification levels German VS-NfD, EU RESTRICTED, and NATO RESTRICTED
- User-transparent partition encryption with reliable encryption algorithm
- Effective protection against bypassing the Windows password
- Very user-friendly with familiar Windows OS logon process after pre-boot authentication

More Information:
www.utimaco.com

Nexus Personal Desktop Client

Nexus Personal Desktop Client is a smart card middleware that makes secure multi-factor authentication and digital signatures simple and straightforward. The solution integrates smart cards, security tokens, and features such as e-mail encryption.

Technological Advantages for genusecure Suite:

- Can be integrated with third-party applications using standardized APIs, such as Microsoft Cryptographic Application Programming Interface (CAPI) on Windows and PKCS#11 on all different platforms
- Browser TLS client certificate authentication
- Browser signing and authentication using Personal Desktop plug-out technology

Flexibility and Future-Proof for Users and Companies:

- Authentication and signing in web applications, cloud services, and desktop smart card environments
- Straightforward Windows login
- Authentication/signature in standard applications such as browsers, e-mail clients, and Windows login process
- E-mail encryption
- Convenient user interface for viewing and managing token properties and certificates

More Information:
www.nexusgroup.com

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genusecure Suite:
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About genua

genua GmbH secures sensitive IT networks in the public and enterprise sectors, at KRITIS organizations and in the classified industry with highly secure and scalable cyber security solutions. The company focuses on comprehensive network protection and internal network security for IT and OT. The range of solutions includes firewalls and gateways, VPNs, remote maintenance systems, internal network security, and cloud security through to remote access solutions for mobile working.

genua GmbH is a company of the Bundesdruckerei Group. With more than 400 employees, it develops and produces IT security solutions exclusively in Germany. Since the founding of the company in 1992, regular certifications and approvals from the German Federal Office for Information Security (BSI) provide proof of the high security and quality standards of the products. Customers include, among others, Arvato Systems, BMW, the German Armed Services, THW as well as the Würth Group.

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