

# genuscreen 40G VPN

Secure, high-speed data transfer  
with FPGA technology



## Virtual Private Network (VPN)

Secure and flexible communication via public networks

### Securely Encrypted High-Speed Data Transfer

Field-programmable gate arrays (FPGA) allow for exceptionally fast signal processing. Benefiting from this advantage is the new VPN gateway from genua, which encrypts high-speed transfers of large quantities of data and offers especially strong protection.

- genuscreen 40G VPN is based on solutions from genua that are used in the public sector and by companies with an obligation to maintain secrecy.
- Thanks to cutting-edge technology, you can connect multiple locations in a high-performance manner.

The VPN solution can easily be integrated in existing ecosystems; technical advice and customer service are provided directly by the manufacturer.

» genuscreen 40G VPN enables a high data throughput independent of the packet mix yet with very low latency. This advantage is mainly seen in demanding applications such as securing video conferences.

genua.



### All Advantages at a Glance



High speed,  
low latency



Up to 500 simultaneous  
connections in each direction



Approval for the classification  
level German VS-NfD  
is scheduled



VPN technology  
"Made in Germany"



Simple and fast integration  
in existing ecosystems



Customer service directly  
from the manufacturer

Interested? Contact us:

T +49 89 991950-902 or E sales@genua.de

Secur|Ty  
made  
in  
Germany

Secur|Ty  
made  
in  
EU

## Increased Performance Thanks to Modern FPGA Technology

For the processing of large quantities of data, it has been possible up to now to use VPN systems in clusters, which bundle the performance of multiple appliances.

genuscreen 40G VPN was developed for the fast transfer of large quantities of data with one system. Thanks to modern FPGA technology, it is possible, for example, to interconnect multiple data centers or locations with up to 40 Gbit per second with constantly low latency.

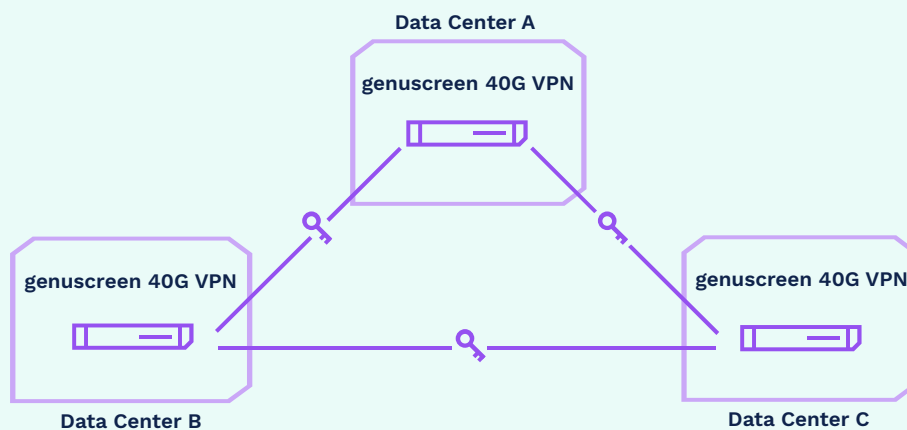
The IPsec standard ensures compliant encryption on layer 3 here. Encrypted frames remain routable thanks to encapsulation in IP and IPsec ESP headers.

## Strong Protection for Your Data

genuscreen 40G VPN is based on VPN solutions used by official public bodies and companies in the restricted data sector for the processing of classified information.

As a German manufacturer of IT security solutions, genua offers an extensive range of products with BSI approval, including VPN systems and various clients. Approval for the classification level German VS-NfD is scheduled for genuscreen 40G VPN.

Solutions from genua already feature quantum computer-resistant software signatures and are, thus, already effective against future IT security risks today.



High-speed interconnection of data centers with genuscreen 40G VPN

## Reasons Why

- Experts for the IT security of companies and public organizations
- Offer of a comprehensive, modular IT security portfolio
- Quality without compromise for all products, services, and processes

## genua – Excellence in Digital Security

genua develops innovative, reliable as well as market-shaping products and solutions. Whether in the public sector, for the operators of critical infrastructures, in industry or in the protection of classified information: we provide answers to the IT security challenges of today and of tomorrow.

### More product information:

[www.genua.eu/genuscreen-40g-vpn](http://www.genua.eu/genuscreen-40g-vpn)



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