

genuline

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 VPN gateway from genua, which encrypts high-speed transfers of large quantities of data and provides especially strong protection.

- genuline offers native IPsec VPN (layer 3) with a bandwidth of up to 100 Gbit per second.
- It supports routing and firewalling compatible with all standard Internet protocols.

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



Your Benefits at a Glance



Bandwidth up to 100 Gbit/s,
latency under 50 microseconds



Up to 2048
simultaneous clients



Approval for classification levels
German VS-NfD, NATO RESTRICTED,
and RESTREINT UE/EU RESTRICTED



VPN technology
"Made in Germany"



Simple and fast integration
in existing ecosystems



Customer service directly
from the manufacturer

Interested? Contact us:

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

» genuline 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.

SecurITy
made
in
Germany

SecurITy
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.

genuine 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 100 Gbit per second with constantly low latency.

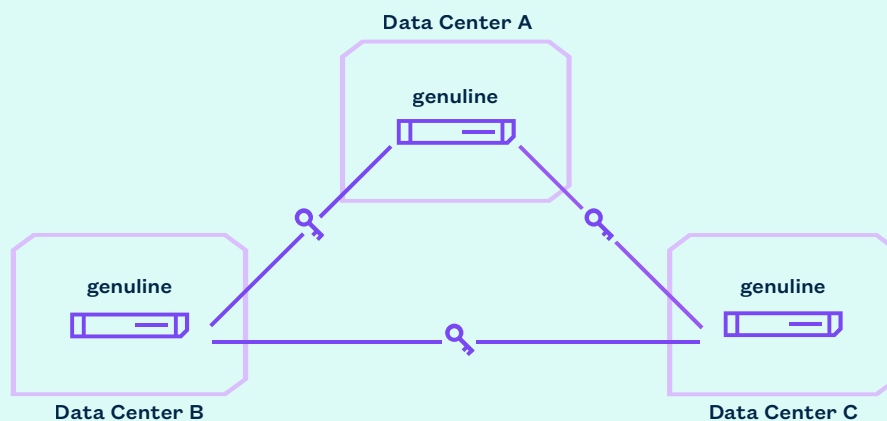
The IPsec standard ensures compliant encryption on layer 3 here. Encrypted frames remain routable thanks to encapsulation in IP and IPsec ESP headers.

Strong Protection for Your Data

As a German manufacturer of IT security solutions, genua offers an extensive range of products with BSI approval, including VPN systems and various clients.

genuine provides future-proof VPN encryption including quantum-resistant key exchange for IPsec/IKEv2 and is approved for the classification levels German VS-NfD, NATO RESTRICTED, and RESTREINT UE/EU RESTRICTED.

The VPN gateway can be used in authorities and in organizations with an obligation to maintain secrecy in order to meet the requirement for exceptionally fast, highly secure data processing.



High-speed interconnection of data centers with genuine

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.

Further information:
www.genua.eu/genuline



genua GmbH

Domagkstrasse 7 | 85551 Kirchheim, Germany
+49 89 991950-0 | info@genua.eu | www.genua.eu

