

# High Resistance Firewall genugate

Complete control of data traffic,  
maximum protection against cyber attacks

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## Firewalls & Gateways

Strong protective armor  
for confidential data

Secur|Ty  
made  
in  
Germany

Secur|Ty  
made  
in  
EU

## Secure Interface to the Internet

The threat from malicious software is constantly increasing and affects all organizations whose IT infrastructure is connected to the Internet. The interface between the Internet and the local network is therefore critical in determining the level of the IT security. The more carefully the data traffic is monitored here, the stronger the protection that can be achieved in the entire network.

Therefore, IT security at this critical point should be given top priority. This is precisely where the High Resistance Firewall genugate is used. Its special security feature: It combines two different firewall systems – an application level gateway and a packet filter, each on separate hardware – to form a compact solution.



genugate offers two firewall systems in one highly secure solution

## All Advantages at a Glance



Common Criteria (CC) certification:  
The only “highly resistant” firewall  
in the world



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



Two levels: application level gateway  
and packet filter



Complete content analysis instead  
of just random samples



Packet filter with an individually  
configurable set of rules



Offline mode with manual  
patches and updates

You can obtain more information and advice here:

[www.genua.eu/genugate](http://www.genua.eu/genugate)



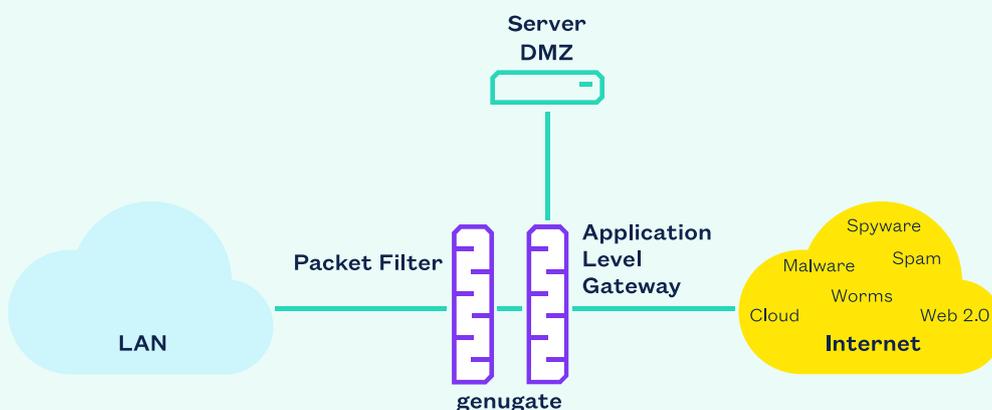
# Certified in Accordance with Internationally Recognized Security Standard

## Firewall Solution of the Highest Quality

genugate is certified by the German Federal Office for Information Security (BSI) according to the Standard Common Criteria (CC) at the strict EAL 4+ level. In addition, genugate has been classified as “highly resistant”: The Firewall thwarts attackers with the highest level of self protection – the security performance satisfies the requirements of level EAL 7. genugate is the only firewall in the world that offers this high level of security.

## Finely Tuned Complete Solution

genugate is a complete solution consisting of hardware, operating system and firewall software. All components are matched to one another and designed for maximum security. The application level gateway and the packet filter firewall systems run on physically separate computers. Through complete analysis and normalization of all packets, the application level gateway provides reliable protection against protocol violations.



Two-tier firewall genugate for highly secure interfaces

» With a two-level firewall, we achieve the security level and availability that we need to guarantee in order to satisfy the high demands of our customers from the utilities sector.

**Holger Maschke,**  
Director System & Infrastructure Services, Arvato Systems

## Hardware and Clusters for Every Requirement

To meet your individual requirements, genugate is available in various hardware variants. Further wishes regarding data throughput and availability are satisfied with clusters. In addition, you can connect genugate to your security information and event management (SIEM).



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## High Level of Security Thanks to the Application Level Gateway

The heart of genugate is the application level gateway. This security system controls the content of the entire data stream at the network gateway. To this end, genugate first stops the incoming data packets, as no direct connections are permitted between the Internet and the local network. The gain in security: attacks on the network level are not possible as a result. Risks, such as through the extended headers with IPv6, are thereby excluded.

After the connection is terminated, genugate assembles the packets like a puzzle, since a content check is only possible using complete data sets. Filtering is now performed and, depending on the configuration, undesired and dangerous data such as active content, viruses or even spam are reliably blocked. Only then does genugate pass the data on to your network via a new connection.

The application level gateway can likewise secure cloud use in your company. Uploads to external services, for example, are then only possible if the data is encrypted. Thanks to the complete content analysis, genugate also offers a security level that is significantly higher than so-called next generation firewalls. These usually operate with deep packet inspection or pattern matching and only check a random sample of the data contents.

## 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/genugate](http://www.genua.eu/genugate)



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