

GS.Gate

High security digitization with
Cloud Edge Gateway



Remote Maintenance

Securing industrial communication

Secure Edge Computing Platform for Production and Critical Infrastructure

Condition and performance data of assets such as machines or IoT devices provide valuable information, for example in the context of predictive maintenance. They can be used to increase efficiency and productivity. But digitization in the OT area must never create gateways for cyber attacks. What is required:

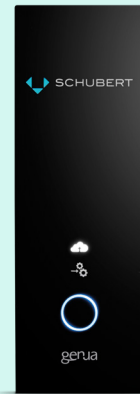
- A connection between OT and IT
- State-of-the-art security with high performance
- Secure and high-performance remote maintenance components

genua has developed GS.Gate for the highly secure operation of individual applications on a flexible Docker platform. This enables capturing, processing, and provisioning machine data at the edge of your own network without sending potentially sensitive information to the cloud.

» Cyber attacks on production can be very costly. When production lines are down after an attack, it can threaten the very existence of a company.

Ralf Schubert, General Manager,
Gerhard Schubert GmbH

genua.



All Advantages at a Glance



Retrieval, processing and secure forwarding of machine data



Secure integration of the machines into the network and secure remote access



Manufacturer-independent edge computing on a powerful platform



Security by Design: strictly separate application and security areas



Secure area with Docker Host for individual apps



Highly secure data transfer through VPN components at secrecy level

Interested? Contact us:

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Combination of Analysis and Security Systems

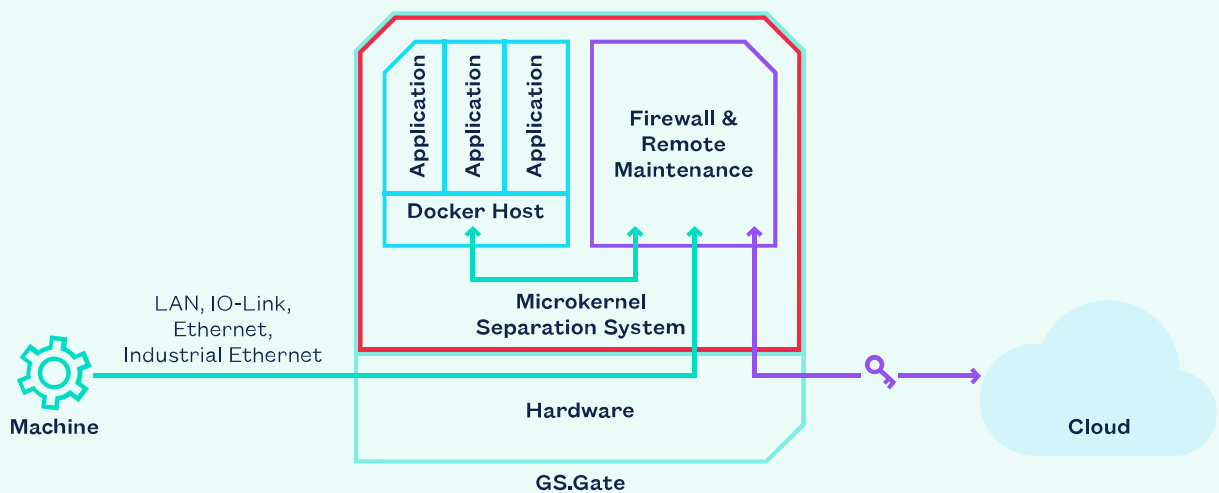
GS.Gate offers two separate areas: In one area, machine operators can use Docker to install individual applications and, e.g., retrieve data for industrial analytics.

The second area contains a firewall and functions for remote access and remote maintenance access to the connected machine. The machine data is sent very securely encrypted to the cloud via the firewall. The firewall also reliably protects the gateway and the machine that is thereby networked against cyber attacks.

Security by Design

To achieve a high level of protection at the critical interface between OT and IT, GS.Gate was designed according to the "Security by Design" principle. The data processing applications that communicate with the machine are strictly separated from the security systems.

They protect communication in internal network segments as well as the interface against external networks. Each of the separated areas is equipped with its own operating system as well as permanently allocated hardware resources. GS.Gate thus guarantees smooth processes with the highest level of security.



GS.Gate combines flexible work areas with security functions

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:
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