

Data Diode cyber-diode

High-security industrial monitoring
of plants, machinery, and critical
infrastructure



Diodes

Secure digitization of highly critical plant segments

Industrial Software Data Diode with Highest Resilience, Based on a BSI-Approved Product

Even critical plant segments are increasingly networked in industry. cyber-diode minimizes the associated risks by only allowing one-way data transfer. Any information sent in the opposite direction is blocked. The data transfer takes place

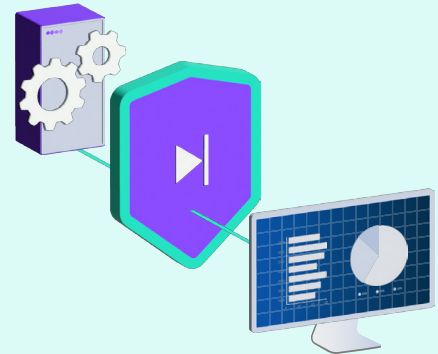
- via OPC UA-native encryption to a central control panel or an external target
- between security zones within a production network
- in various levels of the automation pyramid

Once protected by the cyber-diode, machinery, plants, and IT systems can send data over public networks without risking their integrity.

» Cyber attacks can severely disrupt the production processes of critical companies and even threaten their very existence. The cyber-diode reliably protects networked industrial plants against such threats.

Dr. Alexander Horch, Vice President Research,
Development & Product Management, HIMA Paul Hildebrandt GmbH

genua.



Your Benefits at a Glance



Highly secure
one-way data transfer with
encrypted transmission



Supports OPC UA,
MODBUS TCP, FTP, FTPS, SFTP,
SMTP, TCP, UDP, Syslog



Complete package consisting
of appliance and all relays



Easy configuration and
delivery confirmation for
end-to-end connections



Tamper-proof software
through Secure Boot



Security by Design

Interested? Contact us:

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

SecurITy
made
in
Germany

SecurITy
made
in
EU

Easy to Use, Maximum Security

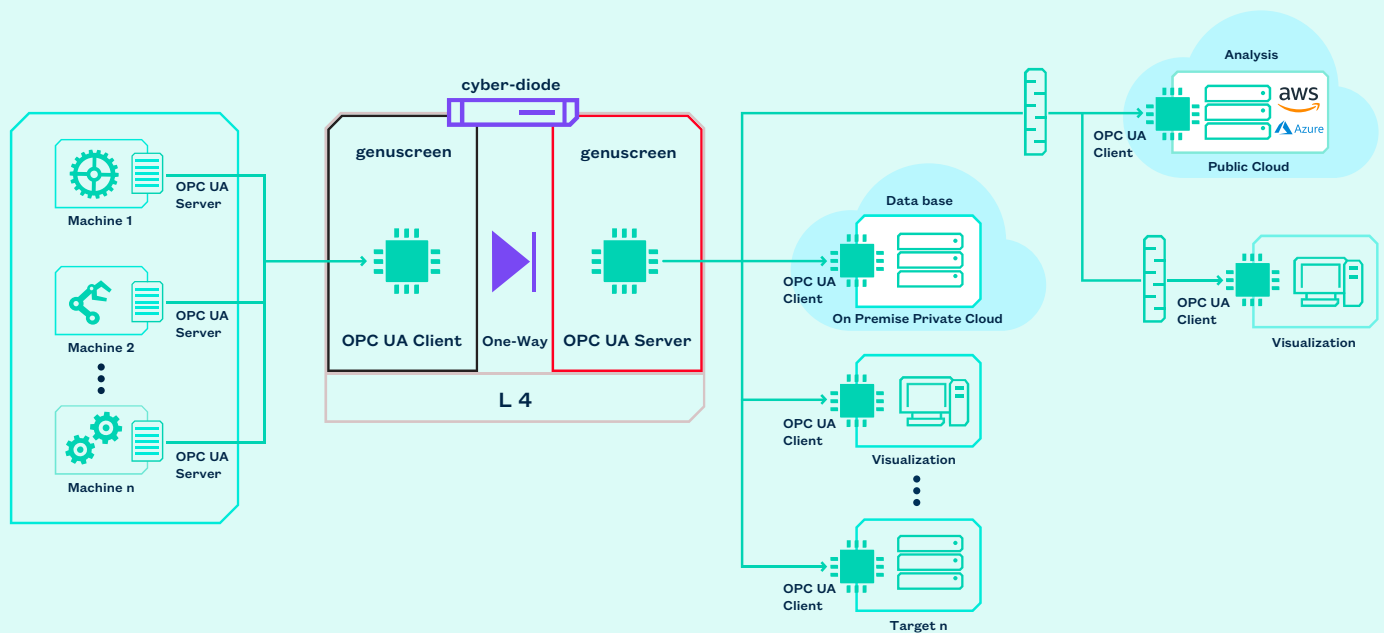
cyber-diode supports the international digitization standard for the networking of production plants with OPC UA.

It also guarantees absolutely reliable data transmission with end-to-end connections. This is what sets cyber-diode apart from solutions from other manufacturers. The benefit: it has a minimal feedback channel for status messages. This allows a signal to be sent back to the sender at the end of each transmission to confirm that all data has been completely and correctly received.

Protect Networked Control Systems

cyber-diode protects your IT and OT systems against intrusive malware and unauthorized access for digital networking. Systems that control critical infrastructures are also optimally protected.

cyber-diode ships as a pre-configured complete solution consisting of hardware and relays (protocol converters), which you can easily integrate into your network. In operation, the Security by Design of the solution always guarantees correct diode function.



Highly secure system monitoring with cyber-diode

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/cyber-diode



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