

# Data Diode cyber-diode

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



Diodes

Secure digitization of highly critical plant segments

## The Only Industrial Software Data Diode based on Approved High-Security Technology Worldwide

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 VPN to a central control panel or an external target;
- between security zones within a production network;
- in various levels of the automation pyramid.

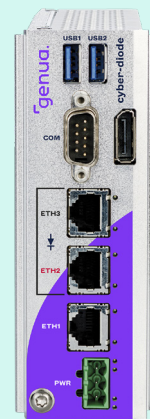
Once protected by the cyber-diode, machinery, plants, and IT systems can send data over public networks without risking their integrity.

**Interested? Contact us:**  
**sales@genua.de or +49 89 991950-902**

» 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.



## All Advantages at a Glance



Highly secure  
one-way data transfer with  
encrypted transmission



Supports OPC UA, FTP, SMTP,  
TCP, UDP, and 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

Security  
made  
in  
Germany

## Easy to Use, Maximum Security

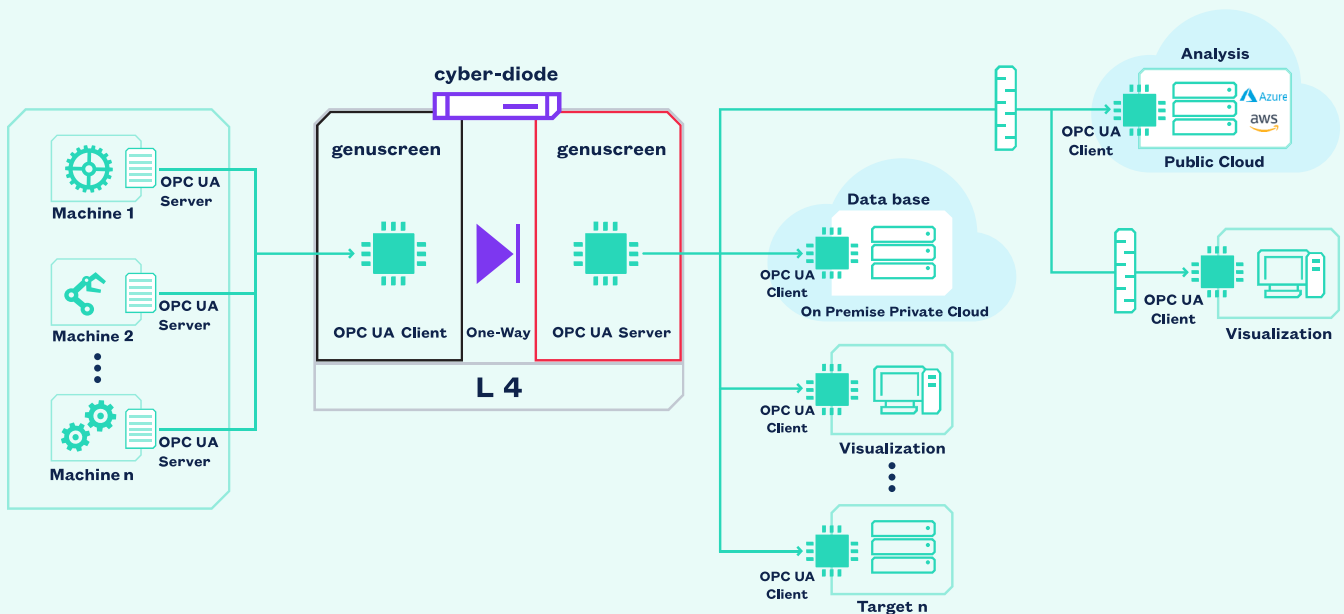
cyber-diode supports the international digitization standard for the networking of production plants with OPC UA.

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 converter), 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](http://www.genua.eu/cyber-diode)

More product  
information

