



# Cybersecurity for IT and OT environments

Flyer



Cyberattacks are increasing in quality and quantity. IT and OT infrastructures are increasingly affected by their convergence and growing interconnectedness

The risks are high, and the potential damage often threatens the very existence of companies.

New threats require new approaches to prevention, detection and response.

#### Here's how we can help:

Belden supports customers with a multi-level industrial cybersecurity portfolio that complies with regulations such as **IEC 62443**, **CRA** and **NIS2**.

> Cybersecurity software solutions

> Industrial next-generation firewalls

> Networking switches

> Software solutions

In addition, Belden offers protection for OT networks against production downtime and the associated loss of data and reputation.

**We offer a comprehensive cybersecurity portfolio** that includes both innovative hardware and powerful software solutions. This enables us to provide holistic protection for your IT infrastructure and networks—against current threats as well as future security risks.

## Belden's industrial next-generation firewall

The latest generation of **IAF-240 Firewalls** offer stateful packet inspection, deep packet inspection, and intrusion detection and prevention, ensuring the transparency, control, and speed that industrial networks require.



Belden IAF-240





## SECURITY SOFTWARE

### >>> Cybersecurity Software-Solutions

macmon NAC is Belden's Network Access Control Solution for IT and OT environments and protects heterogeneous networks globally from unauthorized access thanks to immediate network transparency. Within a few hours and based on the existing network infrastructure, the software automatically creates a complete network overview within an intuitive web GUI. To do this, macmon NAC communicates with active network components such as switches, routers, and firewalls to capture the network topology and automatically identify all connected devices, vendor agnostic.

**macmon  
nac** 



## FIREWALLS

### >>> Industrial next-generation firewalls

Belden's industrial next-generation firewalls combine high availability, stateful and deep packet inspection, intrusion detection and prevention, identity and application awareness, a web application firewall and centralized policy and firewall management in a compact solution.



## > SOLUTIONS

### macmon NAC / Network Access Control Software:

With macmon NAC, you gain full transparency, secure authentication and granular, vendor agnostic access control in critical networks. The solution provides IT and OT departments with an immediate overview with graphical reports and topology, supports both LAN and WLAN, and is the perfect fit for both current and legacy networks.

#### Your advantages:

- **Monitoring:** complete visibility of all devices in the network
- **Network Access Control:** secure authentication and segmentation according to criticality
- **Device Management Access Control:** control and protection of all end devices, including IoT and OT

This allows you to create security zones, reliably keep out unnecessary devices and sustainably increase the resilience of your IT and OT environment.

## > SOLUTIONS

### • Belden industrial next-generation

**firewall IAF-240:** The firewall enables multi-layered analysis of network traffic that goes beyond simple filtering. Stateful packet inspection confirms that data packets belong to valid sessions, deep packet inspection checks the structure and content of the payload, and intrusion detection and prevention identifies anomalies or malicious patterns in traffic.

- Combined, these features detect threats that conventional firewalls cannot detect.
- With unified security tools on a single powerful platform, this Belden firewall provides the visibility, control and speed that industrial networks require. This allows you to prevent sophisticated attacks from causing damage and ensure that the network remains protected even against new threats.

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Discover more 



### >>> Managed ethernet switches for harsh industrial environments

Belden offers a broad portfolio of robust managed Ethernet switches designed for reliable performance in harsh industrial environments. Developed in accordance with the certified product development lifecycle process according to IEC 62443-4-1 and product certification according to IEC 62443-4-2, the HiOS-based switches are ideally equipped for current and future cybersecurity requirements.



### >>> Software solutions for network planning, commissioning and monitoring

Belden's software solutions for network planning, commissioning and monitoring offer a wide range of features that provide additional cybersecurity support. Our software is developed in-house and offers intuitive and familiar interfaces that appeal to both automation engineers and IT specialists. Effortless configuration ensures rapid network implementation at minimal cost.



## > SOLUTIONS

- **Hirschmann BOBCAT next-generation managed switches:** Advanced security features, robust design and real-time communication via TSN make BOBCAT switches a compact network solution for next-generation IIoT networks.
- **Hirschmann Managed RSP/RSPS/RSPE switches:** These switches support comprehensive redundancy protocols such as PRP (Parallel Redundancy Protocol), HSR (High-availability Seamless Redundancy), DLR (Device Level Ring) and FuseNet™. With several thousand variants, they offer maximum flexibility.
- **Hirschmann GRS 2000:** The industrial-grade 19-inch GREYHOUND2000 meets today's most demanding applications with its very high fibre optic port density and configurable port modules that can be flexibly adapted to different connection scenarios.

## > SOLUTIONS

**Belden Horizon™ Console** provides a simple, seamless, secure and reliable way to connect to operating systems. The platform's edge orchestration capabilities allow users to simultaneously deploy and manage edge applications on one or more devices, locally or remotely. Secure Remote Access (SRA) technology ensures secure cellular or cable connections. The platform also supports a permanent connection to geographically distributed resources via the Persistent Data Network (PDN) application.

### Our software tools:

- **Belden Horizon Data Operations & Data Manager**
- **Belden PROVIZE Suite**
- **Industrial HiVision**

Discover more →



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# Connect to what's possible.

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## About Belden

Belden Inc. delivers complete connection solutions that unlock untold possibilities for our customers, their customers and the world. We advance ideas and technologies that enable a safer, smarter and more prosperous future. Throughout our 120+ year history we have evolved as a company, but our purpose remains – making connections. By connecting people, information and ideas, we make it possible. We are headquartered in St. Louis and have manufacturing capabilities in North America, Europe, Asia and Africa.

For more information, visit us at:  
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