



CyberRock

- Post-quantum resilient security
- Immutable hardware-rooted identity
- Certificate-free authentication
- Trusted edge-to-cloud connectivity
- Scalable lifecycle management
- Lowest total cost of ownership

SandGrain CyberRock unbreakable hardware-rooted security for Edge AI & IIoT

Embedded World 2026 | Hall 5, Booth 5-173 | Nuremberg, 10–12 March

SandGrain is thrilled to be at Embedded World 2026, showcasing the full power of our CyberRock solution together with key partners **AAEON**, **PSPL Light System** and **Proekspert**.

Live Demo - Secure Edge AI Protected by SandGrain CyberRock Partnering with AAEON & Ultralytics

Hardware-bound AI licensing & runtime protection + Ultralytics YOLO on AAEON MIX-PTLWV1
This live demo shows how **SandGrain CyberRock** delivers unbreakable hardware-rooted licensing and runtime protection for AI models at the edge.

Running on AAEON's upcoming MIX-PTLWV1 Mini-ITX platform with Intel® Core™ Ultra Series 3 Processors and Ultralytics YOLO, the solution delivers real-time vehicle & pedestrian detection, counting, and anomaly detection — completely offline and fully protected against tampering, duplication, or IP theft.

Featuring: SandGrain CyberRock

- Hardware-bound AI model licensing
- Runtime protection & IP safeguarding
- Prevents unauthorized use, duplication or tampering at the edge

MIX-PTLWV1 (Mini-ITX with Intel® Core™ Ultra Series 3 Processors) **Ultralytics YOLO** – Real-time object detection

Come see it live at **booth 5-173** or at **booth 306!**

More Live Demos at SandGrain booth 5-173

Sensor & Sensor Data Authentication for IIoT on Siemens Industrial Edge Platform.

Many IIoT end nodes and sensors remain unauthenticated today, allowing unauthorized devices to join critical systems and jeopardize operations.

What you will see live:

- how SandGrain CyberRock authenticates sensors in real industrial environments:
- Verifying each sensor's authenticity so you can be sure the device is genuine.
- Binding and attesting data to its originating sensor to prove provenance and prevent tampering.
- Continuously detecting unauthorized sensor swaps or replacements within a group.

Why it matters:

- Robust, protection against spoofing and tampering sensor data for IIoT deployments.

Meshed Factory Light Systems Trustbridge for Industry 4.0/5.0 Partnering with PSPL Light System

See how SandGrain CyberRock + Trustbridge securely authenticates and protects large mesh professional lighting networks where noise, radiation and unstable connections break other solutions. This allows for reductions in field commissioning time with mass enrolment and while supporting automated lifecycle management.

What you will see live:

- How Easy integration of Cyberrock and Trustbridge into a device management platform really is.
- End-node authentication: real-time demonstration of authenticating lighting nodes at scale.
- Resilience testing: simulated unstable connections, high-noise/radiation conditions, and automated reconnection — compare performance and success rates against incumbent solutions.
- Benchmarking metrics: latency, authentication success rate, throughput, and recovery times under stress.

Securing an Industrial Boiler Partnering with Proekspert

IOT devices need to be CRA compliant, with Sandgrain' strong (hardware rooted) security as basis.

What you will see:

- See full protection of a real industrial boiler
- Sandgrain Embedded Token device authentication via the CyberRock Platform
- Secure firmware download
- Heat setting & temperature sensor data authentication

Real-world industrial security you can touch.



CyberRock-Token – Live Demonstrations

Add a SandGrain USB token to any IoT device and instantly enable:

- IoT Device Authentication
- Secure Firmware Download
- Secure Communication Enabler
- Secure Boot Enabler

Plus video explanations of the symmetric authentication methodology and secure enclave technology.

Visit us and let's talk about how to protect your edge AI and industrial systems with hardware-rooted security that actually works.



Meet the team today!
www.sandgrain.com