

# AGRGR Introduces SH-O — a Next-Generation Intelligent OSDP Handle for Cabinets and Data Centers

AGRGR (LLC “Aggregator”) announces the release of its new intelligent handle, **SH-O** — a solution designed for secure access control of telecommunications and server cabinets.

By combining advanced architectural and protocol capabilities, SH-O establishes a distinct class of devices for backbone access infrastructures.



## Architectural Approach

IP architecture remains a fully capable and secure solution for building access control systems. Modern IP networks support high-level encryption and device authentication.

However, in projects involving a large number of telecommunications and server cabinets, an alternative system model is often preferred, where:

- No dedicated IP controller is installed inside each cabinet;
- A single RS-485 backbone line is used;
- The number of active network nodes is minimized;
- Device integrity and authenticity are centrally controlled.

SH-O is specifically designed for this type of architecture — backbone-based, secure, and scalable.

## Key Features

- Support for **OSDP 2.2 Secure Channel**

- Option to enforce encrypted-only operation
- Operation over an RS-485 backbone line
- Ability to connect multiple cabinets within a unified infrastructure
- Implementation of the innovative **Seenaptec SecureBus** protocol

The use of OSDP Secure Channel ensures protected communication between devices and eliminates:

- Data interception on the line;
- Device spoofing;
- Connection of unauthorized equipment to the backbone.

## Seenaptec SecureBus

SH-O implements the **Seenaptec SecureBus** protocol — an extension of the standard communication model designed to enhance the resilience and manageability of backbone infrastructures.

The protocol lays the groundwork for deep integration of the device into an access control ecosystem and advanced telemetry systems.

In the future, SH-O will be fully supported by the Seenaptec Access Platform, unlocking the device's full functional potential within a unified system.

## Compatibility

At present, there is no access control system on the market that fully unlocks SH-O's complete functionality. The closest level of integration is demonstrated by the Rubezh system.

This highlights the device's technological foundation and its focus on next-generation access control architectures.

## Where to See SH-O

The SH-O handle will be showcased at **Securika Moscow** in April. Visitors to the AGRG booth will be able to explore the device and the architecture of secure backbone communication in access control systems.

SH-O is an engineering response to the needs of scalable facilities where manageability, centralized control, and predictable line architecture are mission-critical.