# SIP CONTROLLER WITH A SOFTWARE
# **HUSAR AUDIO**

## PRODUCT GROUP
HUSAR PA

## PRODUCTS IN SERIES
**HUSAR AUDIO**

Scan for more detailed information about the met standards and testing of this product

- Protocols TCP/IP, SIP, NTP, VoIP, SNMP, UDP
- Built-in advanced DSP processor
- Self test, time synchronization, message level adjustment
- ANS sensor management, recording of spoken messages
- remote configuration
- 5” HD touchscreen display
- 24/7 operation
- internal clock time synchronization from external servers
- Full compliance with present Polish Railways standard (PKP PLK S.A. approval)

**HUSAR Audio** is a modern audio controller dedicated to managing subordinate audio devices, and synchronizing their operation with external servers. It has been implemented specifically for cooperation with passenger information systems - railroads or airports. HUSAR Audio allows cooperation in a network environment, and individual controllers can work together even over long distances, where the only limitation is network bandwidth. HUSAR AUDIO is part of the HUSAR PA product group and works perfectly with HUSAR WZM series power amplifiers, HUSAR PM microphone desks, and HUSAR CT ANS background sensors.

ISO 9001:2015 · IST/TS 22163:2017 · AQAP 2110:2016 · Świadectwo Bezpieczeństwa Przemysłowego · Koncesja MSWiA · MADE IN EU

# TECHNICAL DATA OF SIP CONTROLLER WITH A SOFTWARE **HUSAR AUDIO**

| Technical parameters | |
|---|---|
| Screen | 5” HD - touchscreen |
| Inputs/ Outpus | 2x linear,<br>2x LINE /MIC microphone input 0.707V<br>4x GPIO input (optional)<br>4x GPIO output (optional),<br>4x USB 2.0,<br>2xRj 45 100 BASE-TX (IEEE 802.3), TCP/IP,<br>5 x AUDIO analogue output with signal mixing capability |
| Features | - Self test, adjustable frequency of amplifiers 00.1-100s;<br>- background sensor control and message delivery level adjustment;<br>- ANS background sensor management, recording of spoken messages;<br>- Remote configuration, control and monitoring of equipment via On Board Web, SSH, SNTP;<br>- Internal time synchronisation of the RTC real-time clock from external servers; |
| Power supply | Redundantne<br>100 - 230VAC (±10%) 50-60Hz ±1%<br>35-60VDC |
| Power consumption (average) | 60W/100W |
| Protections | Overvoltage |
| DSP processor | Delay, low and high frequency filtering, crackle filtering, limiter; input and output matrixing |
| Protocols | TCP/IP; SNMP V2 i V3; UDP; NTP; VoIP, SIP IEEE RCF 3261 |
| Operating temperature range | -5°C to +55°C humidity 20%-90% non-condensing |
| Dimensions | Rack 19” 2U - 482mm x 87,5mm x 260mm |
| Weight | 2 kg |
| IP rate<br>IK rate | IP-22 (PN-EN 60529:2003),<br>Enclosure suitable for rack mounting RAC 19"<br>IK-09 (PN EN 5012:2001) |
| Options | Possibility of software integration with the desktop of the ICT system, of the traffic duty officer with the use of dedicated software, with the use of VoiP, SIP, POST protocols |

*This data sheet is commercial in nature. If more detailed technical information is required, the reference document is the technical and operating documentation to be obtained from the manufacturer. In addition, the manufacturer reserves the right to make changes regarding the parameters, specifications and characteristics of the product. The dimensions of optional products, manufactured to order, will have different dimensions than those shown in this sheet.*
*The document of general terms and conditions of supply can be found on the manufacturer's website - www.railway-systems.eu*