

NETWORK AUDIO AMPLIFIERS

HUSAR SIP WZM



PRODUCT GROUP

HUSAR PA

PRODUCTS IN SERIES

HUSAR WZM SIP2300LAN, HUSAR WZM SIP4150LAN



Scan for more detailed information on the met standards and tests of this product.

- ✓ 100V technology - class D
- ✓ Internal faults monitoring system
- ✓ Automatic switching of damaged line
- ✓ Advanced DSP processor
- ✓ Preset creation; adjustable bass and treble
- ✓ Delay definition; audio channel matrixing
- ✓ Up to 16 ANS microphones per speaker line for SPL optimization
- ✓ 2 independent audio channels 300W each or optionally 4x150W
- ✓ High-efficiency redundant power supply
- ✓ Microphone input
- ✓ Networking and communication via SIP protocol

Network series audio amplifiers **HUSAR SIP WZM** are modern D-class powered amplifiers with a feature-rich DSP processor, enabling efficient and high sound level parameters, even in the most difficult acoustic environment. HUSAR SIP WZM fully communicates with the HUSAR AUDIO SIP controller and allows amplifiers to be used in multiple even far away locations. The amplifiers are dedicated to work with passenger information systems at railroad platforms and station buildings, but due to their advanced features, they can also be used in other applications, such as airports. The amplifiers are part of the HUSAR PA product group and operate perfectly with the HUSAR AUDIO controller; HUSAR CT ANS background sensors and loudspeakers offered by SAT-SYSTEM.



TECHNICAL DATA OF NETWORK AUDIO AMPLIFIERS

HUSAR SIP WZM



Technical parameters	
Powered class	D
Output power	Available in options: 2x300W; 4x150W
Input power technology	100V
Loudspeaker outputs	2+2; Two separate speaker line circuits operating independently. Fitted with screw terminals.
Frequency range	20Hz - 20kHz
Efficiency	94% power supply, active PFC, 90% amplifier, signal to noise ratio >80dBA, crosstalk, <70dBA at 1kHz load
THD distortions	0,0001%
Power adjustment	Automatic (using background microphones and DAC1502 controller), stepless 0%-100% in each channel (digitally from the controller - analogue on the back of the amplifier)
Power supply	Redundant n+n 100 - 230VAC (±10%) 50-60Hz ±1%
Power consumption (av./max.)	5W, 150W/600W
Protections	Loudspeaker line short circuits (to earth and signal), overload, thermal,
Reliability	Power amplifier and LV power supply redundancy, watchdog, temperature and humidity measurement, auto reset of power amplifier
Inputs	4x volume, 2x audio, presets, USB
Outputs	4x line inputs for background microphone, 2x line inputs for audio, USB Audio, RJ45
Features	Redundancy of power supply and audio path (n+n), Watchdog, support for up to 16 background microphones per loudspeaker line, presets (Master, Slave, Audio Input Priority), Audio Power Down (time between feeding a signal and full activation >500ms, LAN/WAN
DSP procesor	Delay, low- and high-frequency filtering, crackle filtering, limiter, input-output matrixing, presets (customisable per object with triggering by HUSAR AUDIO controller)
Operating temperature range	-5°C to +55°C and 20% to 90% humidity without condensation
Dimensions (W x H x D)	Rack 19" 2U - 482mm x 87,5mm x 260mm
Weight	7kg (optimised centre of gravity)
IP rates IK rates	IP-22 (EN 60529:2003) IK-09 (EN 5012:2001)

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