

## Hearing Aid Server (1U)

The hearing aid server can convert the received train broadcast audio into voice electrical signals and output them to the loop coils installed in the carriage. The magnetic induction signals generated by the loop coils can be received by hearing aids or assistive listening headphones with the "T" setting (comply with the IEC 60118), and then these signals are converted back into sound for the users to hear, thus providing assistance for people with hearing impairments during their travels.

- The hearing aid system has strong compatibility which can be directly added without changing the original system architecture and functions.
- It adopts mature electromagnetic induction technology and is less affected by the environment.
- Additional audio transmission method, which effectively improves passengers' travelling experience.

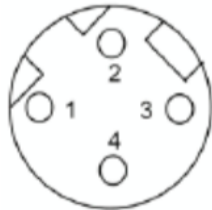


## Technical Parameters

Items	Specification
Frequency Response	100Hz-12kHz, $\pm 3\text{dB}$ (1kHz)
Harmonic Distortion	$\leq 1\%$ (100Hz - 12kHz)
SNR	$\geq 60\text{dB}$

Magnetic Field Strength	$\leq 400\text{mA/m}$ (1kHz)
Communication Interface	10M/100M auto-negotiation Ethernet interface
Power Supply	DC110V (77V~137.5V)
Power	50W
Operating Conditions	-25 °C to 70 °C, humidity less than 95% (non-condensing)

## Interface

Ethernet interface		
1	TX+	 D-code M12 (Female)
2	RX+	
3	TX-	
4	RX-	
Power interface		
1	DC110V+	3 Pin Phoenix
2	DC110V-	
3	NC	
Audio interface		
1	VO1	3 Pin WAGO
2	VO2	
3	NC	

## Dimension

