

ICO MAM

IP-BASED AUDIO AMPLIFIER MODULE

- ✓ 20w amplifier
- ✓ Automatically optimised output level
- ✓ Automatic equalisation adjustments
- ✓ Status monitoring for electronics and speaker
- ✓ SNMP reporting of faults and status
- ✓ Electret microphone sensor on cord (1,5m)

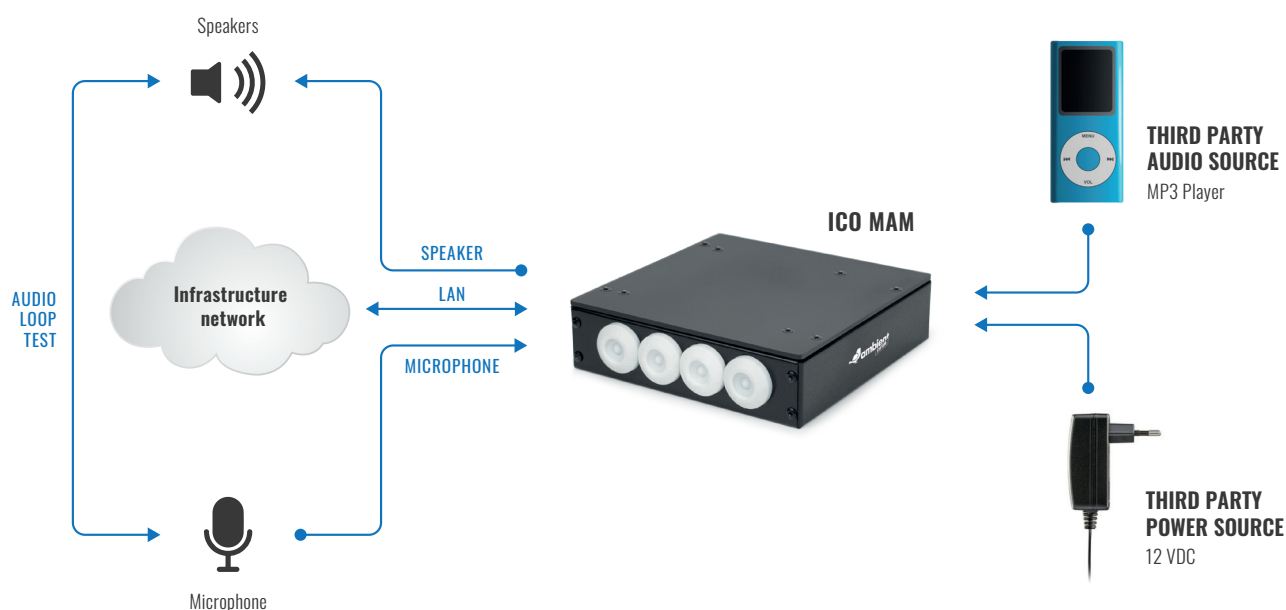


ICO-MAM is a compact IP-Based amplifier module for integration into custom-build projects. It offers the unique feature of maximising the intelligibility of the transmitted audio by constantly adjusting the equalization and output level to overcome local background sound levels. The ICO-MAM is

fully self-monitored, using SNMP reporting to output, amplifier health or fault conditions including monitoring the loudspeakers or microphone attached to it. Units can be reached via web interface and the audio is delivered by SIP or audio line input. The web interface allows of the complete

programming and updating of the ICO-MAM. For operational purposes, a wide range loudspeakers are compatible with ICO-MAM which can be purchased with the ICO-MAM if requested.

MODELS	Description
ABT-ICO-MAM-S01	Mini audio amplifier with web interface



	ICO MAM
Audio	
Amplifier	20 W Class-D Power Amplifier
Line In	Balanced input, 20 kΩ input, 775mV RMS nominal level
Analog microphone input	Mic bias 2 V (at 0.5mA), Input Impedance 100 kΩ suitable for most electret condenser microphones
Interfaces	
Ethernet ports	2 ethernet ports, PoE: 802.3at 12.95 W Class 0, available from the first ethernet port
Networking	
Power Supply	IEEE 802.3af standard, Class 0 or 12VDC 2A external power adapter (screw terminals)
Storage	
microSD card	512 MB (up to 512 GB)
Security and Protocols	
IT security	TLS, SRTP, IEEE 802.1X
Protocols	SIP2.0, SNMP, HTTP
Environmental	
Operating Temperature	-40°C to 65°C (NTH 70)
Operating Relative Humidity	10% to 95% (non-condensing)
Storage Temperature	-40 °C to 70 °C
IP Rating	IP 30
Physical parameters	
Dimensions (W × H × D)	50 × 140 × 120 mm
Weight	400g
Material	Aluminium