

Adaptive Microphone Aggregation Point

SMART-AMAP-6

- ✓ *Wide operating temperature range*
- ✓ *IP66-rated housing*
- ✓ *Powered by PoE or an external power supply*
- ✓ *Compatible with the smartVES device network*
- ✓ *Up to 6 controllers in a network*
- ✓ *Each controller supports up to 6 SMART-ANSM-01 microphones*



The SMART-AMAP-6 is a device whose purpose is to process signals from measurement microphones and transmit them in digital form to the SMART-DU-1604 units. The SMART-AMAP-6 interface allows up to 6 monitored measurement microphones to be connected. The measured

parameters of the background noise and system loudspeakers are used by adaptive filtering algorithms in the assigned zones. The SMART-AMAP-6 is a networked device and can be powered via the POE of the system switch or central unit, as well as from an external 34-58VDC power supply.

Dedicated low-noise microphone amplifiers compatible with the SMART-ANSM-01 available in the SMART-AMAP-6 enable correct operation of measurement microphones at distances of up to 400 metres.

SMART-AMAP-6	
Electrical	
Power source	PoE (RJ45), or via 2-pin connector
Number of audio inputs	6 differential channels
Power consumption (typical/maximum)	4.5 W / 7 W
Supply voltage range	34V - 58VDC
Sampling frequency	48 kHz
Measuring bandwidth	200 Hz - 9 kHz @3 dB
Differential input impedance	4000 Ω @1kHz
Range of measured values (for corresponding input voltages)	56 dB SPL (1.5mVRMS) - 120 dB SPL (3VRMS)
Phantom power supply	30 VDC
Mechanical parameters	
Dimensions	200 x 125 x 90 mm
Weight	1.2 kg
Colour	white
Housing material	Aluminium
Connectors	<ul style="list-style-type: none"> > 6x 3-pin connector type 15EDGVC-3.5 > 1x RJ45 > 1x Phoenix MSTBVA 2-pin screw - 5.08 mm raster
Storage and working environment	
Operating temperature range	-5°C to +60°C
Ambient humidity	5% to 95% non-condensing
IP degree of protection	54 // 66 - with additional gland sealing
Compatibility	
Device compatibility	SMART-ANSM-01, SMART-DU1604
Used cables	
LAN cable types used	Category 5e F/UTP twisted pair, up to 100 m between control unit / switch and SMART-AMAP-6
SMART-ANSM-01 microphone inputs	2-core microphone cable 2x0.22mm ² with spiral copper shield, max. conductor resistance: 86 Ohm/km - connection up to 300 metres or 3x16AWG, unshielded up to 400 metres