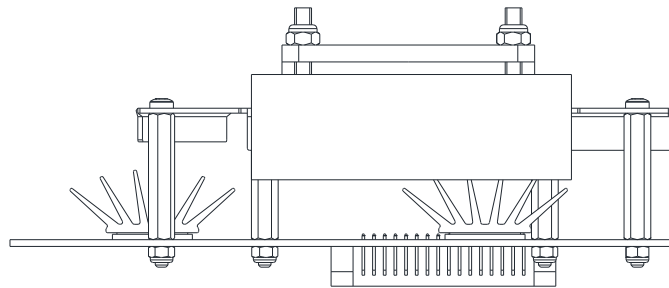


## M-AHM-64-A Technical Datasheet

### Overview

- AEC (Acoustic Echo Cancelling) module for AHM-64
- 12 channels of AEC
- 150ms FIR Adaptive Filter
- Far-end AGC (Automatic Gain Control)
- Residual echo NLP (non-linear processing)
- Background noise reduction
- Near-end gating
- Speech-shaped comfort noise



### A&E Specifications

The module shall be compatible with AHM-64 audio matrix processors and offer 12 channels of Acoustic Echo Cancelling for teleconferencing or videoconferencing applications.

Each channel of AEC shall provide an FIR Adaptive Filter, continually updated to match the room impulse response.

An option shall be provided to automatically adjust the far-end gain to maintain a consistent level from the remote caller.

Additional processing shall be provided to attenuate any residual echo, and reduce the primary echo while the adaptive filter converges.

Optional near-end background noise reduction shall be provided, as well as an optional gate to reduce the level of residual echo in case of far-end only talk activity.

Comfort noise shall be added so that the remote caller does not hear total silence. This noise shall be shaped to give a natural, unoffensive sound.

The module shall be the Allen & Heath M-AHM-64-A.

## Dimensions

