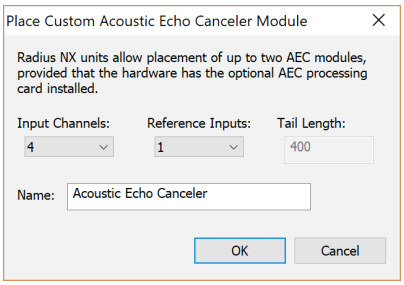
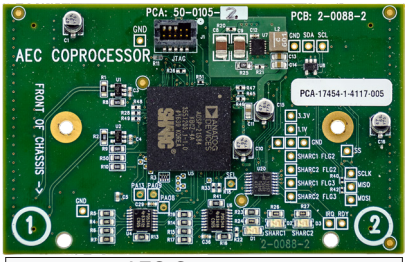
Radius NX AEC Coprocessor

Adding a Radius NX AEC Coprocessor to Radius NX 4x4 or Radius NX 12x8 systems promotes the highest possible levels of clarity and intelligibility in AV conferencing and distance learning applications. System programmers optimize design performance and resource utilization by matching the number of AEC channels, number of references, and tail length to their specific requirements.

The coprocessor is available in single and dual core versions. Each core corresponds to a single AEC module in Composer providing up to 8 channels with a single reference or up to 4 channels with independent references for each channel.

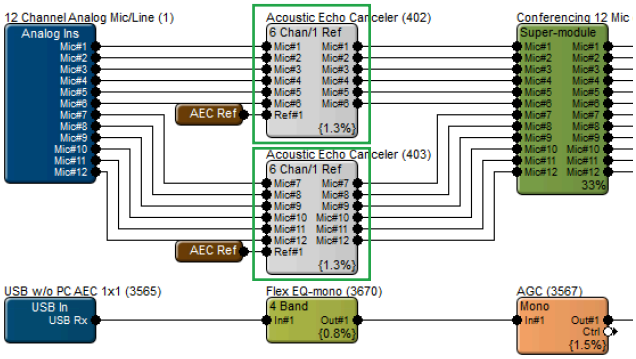
Features and Benefits	
Wideband AEC	Optimizes far-end intelligibility
Up to 400ms tail length	Enhanced performance in large, reverberant spaces
Adjustable background noise reduction	Optimizes far-end intelligibility in noisy spaces
Virtual, assignable, routable channels	AEC can be applied to any sources within a system and routed to any destinations
Ultra-fast convergence rate	Enhanced performance at onset of conversations and when roving microphones are in use
Highly stable adaptive filtering	No divergence during long periods of double-talk
Frequency domain NLP	Lowers far-end distortion by only removing offending spectral content
Comfort noise	Adaptively matched to natural room tone giving participants an indication that the communications channel is still active during periods of silence

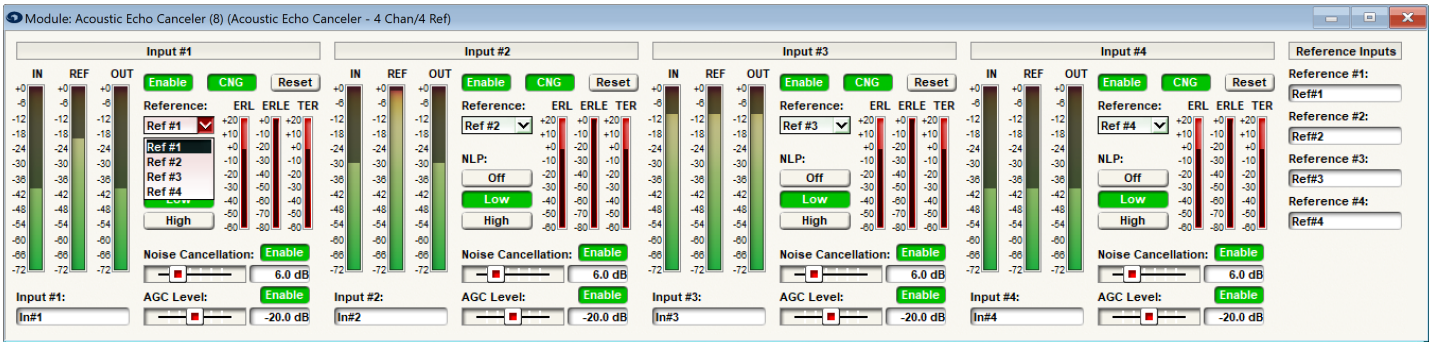




AEC Coprocessor

Specifications	
Sample Rate	48 kHz
Bandwidth (Frequency Response)	20-20 kHz
Latency	16 mS
Tail Length	400 ms, maximum
Convergence Rate	Typically > 90dB/sec
Single Talk Total Cancellation	80dB, typical
Double Talk Total Cancellation	40dB, typical
NR (Background Noise Reduction)	User adjustable, up to 25dB
Standards Compliance	ITU G.167, ITU G.340, VDA Category 1
AEC Channels per Core	User selectable, up to 8
Reference Inputs per Core	User selectable, up to 4





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