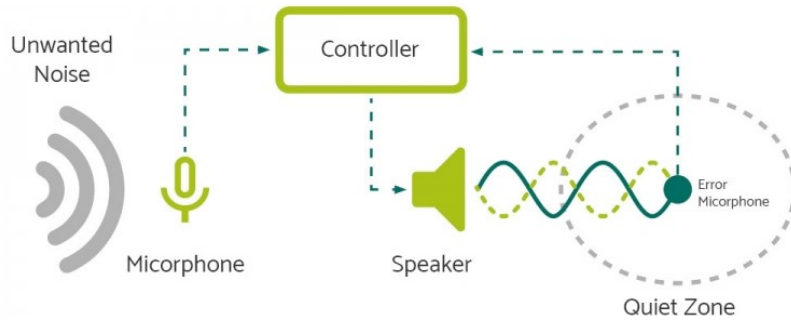


Active noise cancellation



Silentium's S-Cube™ Development Kit allows system designers to come up with a custom noise reduction solution for loud electronic equipment. The kit is the heart of Silentium's Active Noise Control (ANC) range of products that reduce annoying fan noise in servers, networking equipment, air conditioning systems, medical equipment, and more.

It can be used in any application where the constant humming of fans used in the cooling of electronic equipment causes irritating noise in the surrounding area. Now you can use Silentium's ANC solution in your own electronic applications and create a quieter workplace.

Specifications

Noise range	40dB-90dB
Noise reduction in Frequency	100Hz-2000Hz
ANC reduction	Up to 10 dB(A)
Two microphone inputs with automatic gain control from 0dB to 36dB	(dynamic +/- 1.56V)
Differential output for anti-noise signal	(dynamic +/- 6V)
Input SNR	75 DB A/D
Output SNR	70 DB D/A
Input impedance	2.2 Ohm
Max Power Consumption	7.2 W
Operating temperature range	-20 to 70C
board dimensions	104mm x 79mm x 20mm

S-Cube™ Development Kit Benefits

The S-Cube Development Kit reduces broadband noise of machinery fans and blowers up to 10dBA on top of the reduction achieved by acoustic material.

- Easily programmable user interface, 2 button operation and LCD display
- Adaptable for both point to point and point to zone ANC applications
- Ideal for acoustic and vibration applications
- Broad band noise reduction
- Self-calibrating system
- Computer connection not required
- No acoustic engineering experience necessary

