

ENEAA[®] LEC-BRICKS



G.1 68-2000 Line Echo Canceller

Enea[®] LEC-Bricks is a Line Echo Canceller that is fully compliant with the ITU-T G.1 68-2000 recommendation.

Features

- Written in C, with some functions coded in assembly to optimize performance, Enea[®] LEC-Bricks can be easily ported to any platform.
- Enea LEC-Bricks cancels echo tail length ranging from 8 ms to 64 ms.
- Enea LEC-Bricks includes a tone disabler (2100 Hz) and a comfort noise generator.
- Sample Interface: PCM, A-law or μ -law at a 8-kHz sampling frequency.
- Block-based sample processing with user-definable block size.
- Context driven software. Users can run multiple line echo canceller instances at the same time.
- API allows static or dynamic memory allocation if the user provides malloc/free equivalent functions.

RESOURCE USAGE

Platform	8ms echo path	16ms echo path	32 ms echo path
ARM7TDMI -- 100MHz	18 MHz	31 MHz	44 MHz
Texas DSP TMS320C5410 -- 100MHz	10 MHz	12 MHz	16 MHz
ATHLON XP 1700+ -- 1470 MHz	7 MHz	10 MHz	13 MHz

Enea is a global software and services company focused on solutions for communication-driven products. With 40 years of experience Enea is a world leader in the development of software platforms with extreme demands on high-availability and performance. Enea's expertise in real-time operating systems and high availability middleware shortens development cycles, brings down product costs and increases system reliability. Enea's vertical solutions cover telecom handsets and infrastructure, medtech, industrial automation, automotive and mil/aero. Enea has 750 employees and is listed on Nasdaq OMX Nordic Exchange Stockholm AB. For more information please visit enea.com or contact us at info@enea.com. **www.enea.com**

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