

# ADK - AUDIO DEVELOPMENT KIT

## Blackfin® Starter Package

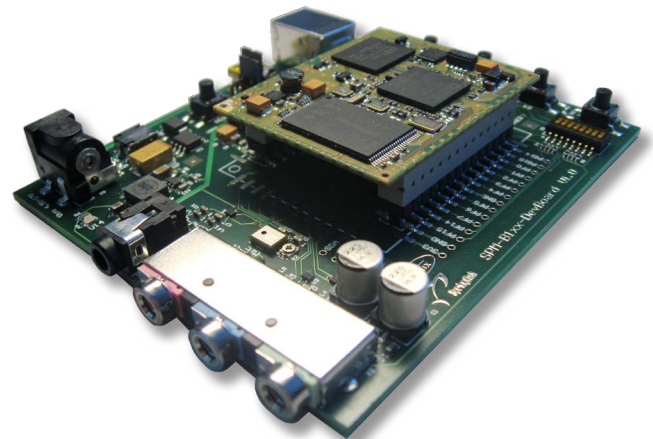
Audio processing, multimedia applications, Voice-over-IP, portable media players and other audio related applications are just some possible applications of Bluetechnix' latest Audio-Development-Kit (ADK). The ADK is especially designed for your future embedded audio applications. The kit consists of a development board ADEV-BF52xC and a powerful Blackfin® based Core Module ACM-BF525C.

Based on Bluetechnix' long experience in industrial and commercial embedded systems design, this kit decreases the time-to-market of your embedded audio applications. The form factor of the ACM-BF525C allows easy integration of the module into OEM products. Dedicated interfaces such as USB2.0, Line In/Out, headphone out (HP) and an onboard silicon microphone turn the ADEV-BF52xC into a full-featured development platform for most commercial embedded audio applications.

### Core Module ACM-BF525C

The Core Module ACM-BF525C is optimized for audio applications and performance. It is based on the high performance ADSP-BF525C from Analog Devices. The ACM-BF525C is designed for commercial applications (commercial temperature range). It addresses 64MByte SDRAM via its 16bit wide SDRAM bus, has an onboard NOR-flash of 4MByte and a NAND-flash with 1GByte.

PROZESSOR	ADSP-BF525C Blackfin® DSP
CLOCK	600MHz
RAM	64MByte SDRAM
FLASH	4MByte NOR and 1GByte NAND
LOCKBOX SECURE TECHNOLOGY	✓
I <sup>2</sup> C / SPI / UART / SPORT	1 / 1 / 1 / 1
USB2.0 OTG	1
INTEGRATED AUDIO CODEC	Stereo, 24-bit ADCs and DACs
TEMPERATURE RANGE	Commercial (0°C to 70°C)
ADDITIONAL FEATURES	Mic., Line In / Out and HP Interface
	On-Board core voltage regulator
	Low voltage reset circuit
DIMENSIONS	38x48mm



ADK: ADEV-BF52xC with ACM-BF525C

### Package content

- » ADEV-BF52xC
- » ACM-BF525C-C-C-Q25S64F4N1024
- » DC power supply
- » USB device cable

### Ordering Information

Order No.	Info
100-3306	ADK - Audio Development Kit with ACM-BF525C and ADEV-BF52xC

### Applications

- » Audio processing
- » Multimedia applications
- » Voice-over-IP applications
- » Portable media players

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