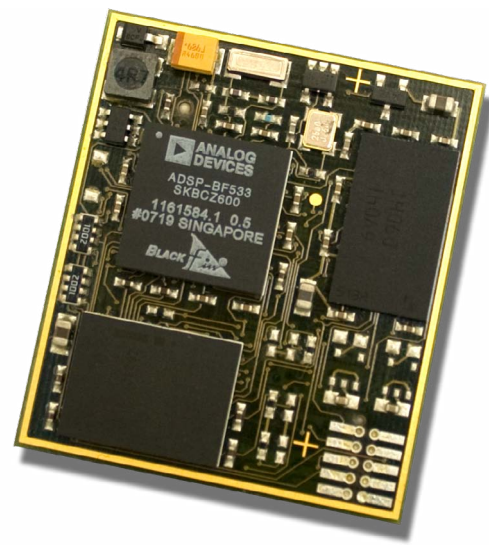# CM-BF533

Blackfin® Core Module

The CM-BF533 is optimized for performance and costs. The module integrates processor, RAM, flash and power supply at a size of 31.5x36.5mm! It is based on the high performance ADSP-BF533 from Analog Devices. The Core Module is available for commercial and industrial temperature range. It addresses 32MByte SDRAM via its 16bit wide SDRAM bus and has an onboard NOR-flash of 2MByte.

Features

CPU		Analog Devices BF533 @ 600MHz
RAM		32MByte SDRAM up to 133MHz
FLASH		2MByte
INTERFACES	**PPI**	1
	SPI	1
	SPORT	2
	TWI/I²C	emulation by GPIO
	UART	1
ADDITIONAL FEATURES		Single 3.3V supply voltage On-board core voltage regulator Low voltage reset circuit
TEMP. RANGE*		0°C to +70°C / -40°C to +85°C
VERSIONS		Connector
DIMENSIONS		31x36mm

* depends on version - see ordering information

Development Support

- » EVAL-BF5xx Evaluation Board
- » DEV-BF5xx Development Board
- » DEV-BF5xxDA-Lite Development Board
- » BLACKSheep® OS
- » uClinux Port available

Applications

- » Multimedia
- » Home Audio/Video
- » Embedded Modems
- » Instrumentation
- » Imaging
- » Industrial Control
- » Voice Communication

Ordering Information

Order No.	Info
100-1203-2	CM-BF533-C-C-Q25S32F2 (CM-BF533)
100-1206-3	CM-BF533-C-I-Q25S32F2 (CM-BF533-I)
100-1208-3	CM-BF533-C-C-Q27S32F2 (CM-BF533-27MHz)

BLUE TECHNIX