

CM-BF537U

Blackfin® Core Module

The Core Module CM-BF537-U is characterized by its configuration possibility for a number of different fields of application. The module integrates processor, RAM, flash, external peripheral controllers and power supply at a size of 31.5x36.5mm! It is based at the high performance ADSP-BF537 from Analog Devices.

The Core-Module is designed for commercial usage (commercial temperature range). It addresses 32MByte SDRAM via its 16bit wide SDRAM bus, has an onboard NOR-flash of 4MByte and offers a CAN and TWI interface. In addition it has an USB-2.0 device chip onboard to enable high-speed connections with e.g. a PC.

Features

CPU	Analog Devices BF537 @ 600MHz	
RAM	32MB SDRAM up to 133MHz	
FLASH	4MB	
INTERFACES	CAN	1
	PPI	1
	SPI	1
	SPORT	1
	TWI/I²C	1
	UART	2
	USB 2.0	1 (Device)
ADDITIONAL FEATURES	Single 3.3V supply voltage On-board core voltage regulator Low voltage reset circuit	
TEMP. RANGE	0°C to +70°C	
VERSIONS	Connector	
DIMENSIONS	31x36mm	



Development Support

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

Ordering Information

Order No.	Info
100-1223-1	CM-BF537-C-C-Q30S32F4-U (CM-BF537U)
100-1223-1-TR	CM-BF537-C-C-Q30S32F4-U (CM-BF537U) Tape Reel 50pcs

Applications

- » Robotics
- » PC attached DSP Application
- » Video surveillance
- » Industrial distributed control
- » Industrial factory automation
- » Remote monitoring devices
- » Point-of-sale terminals
- » Instrumentation
- » Medical appliances
- » Consumer appliances

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