

CM-BF537E

Blackfin® Core Module

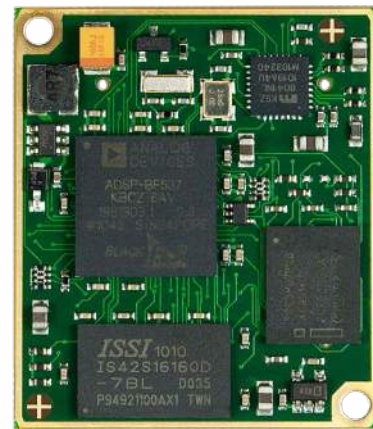
The Core Module CM-BF537 is characterized by its configuration possibility for a number of different fields of application. The module integrates processor, RAM, flash, external peripheral controllers and power supply at a size of 31.5x36.5mm! It is based at the high performance ADSP-BF537 from Analog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

The Core-Module is designed for commercial and industrial usage (commercial & industrial temperature range). It addresses up to 64MByte SDRAM via its 16bit wide SDRAM bus, has an onboard NOR-flash of 4MByte and offers a CAN interface. In addition it has the physical Ethernet transceiver (10/100Mbit) onboard.

Features

CPU	Analog Devices BF537 @ 600MHz	
RAM*	32/64MByte SDRAM up to 133MHz	
FLASH	4MByte up to 8MByte	
INTERFACES	CAN	1
	ETHERNET	1x10/100 Mbit Ethernet
	PPI	1
	SPI	1
	SPORT	2
	TWI/I²C	1
	UART	2
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

Ordering Information

Order No.	Info
100-1221-3	CM-BF537-C-C-Q25S32F4 (CM-BF537E)
100-1229-3	CM-BF537-C-I-Q25S32F4 (CM-BF537E-I)
100-1273-3	CM-BF537-C-C-Q25S64F4 (CM-BF537E-64SD)

Applications

- » Robotics
- » Video security
- » Video surveillance
- » Industrial distributed control
- » Industrial factory automation
- » Remote monitoring devices
- » Point-of-sale terminals
- » VoIP
- » Biometrics/security
- » Instrumentation
- » Medical appliances
- » Consumer appliances

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