

# CM-BF537E

## Blackfin® Core Module

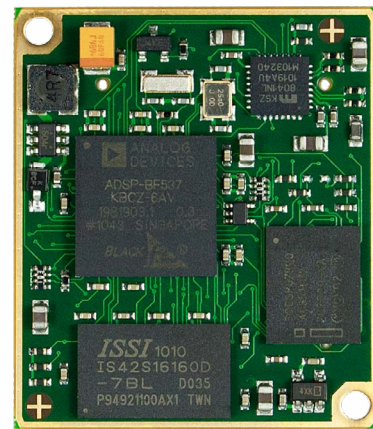
The Core Module CM-BF537 is characterized by its configuration possibility for a number of different fields of application. The module integrates processor, RAM, flash, external peripheral controllers and power supply at a size of 31.5x36.5mm! It is based at the high performance ADSP-BF537 from Analog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

<b>CPU</b>	Analog Devices BF537 @ 600MHz	
<b>RAM*</b>	32/64MByte SDRAM up to 133MHz	
<b>FLASH</b>	4MByte up to 8MByte	
<b>INTERFACES</b>	<b>CAN</b>	1
	<b>ETHERNET</b>	1x10/100 Mbit Ethernet
	<b>PPI</b>	1
	<b>SPI</b>	1
	<b>SPORT</b>	2
	<b>TWI/I<sup>2</sup>C</b>	1
	<b>UART</b>	2
<b>ADDITIONAL FEATURES</b>	Single 3.3V supply voltage On-board core voltage regulator Low voltage reset circuit	
<b>TEMP. RANGE*</b>	0°C to +70°C / -40°C to +85°C	
<b>VERSIONS</b>	Connector	
<b>DIMENSIONS</b>	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)

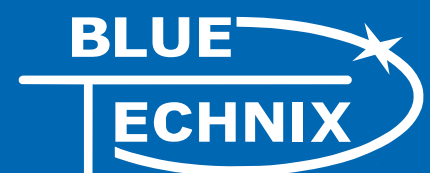
### Applications

- » 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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