CM-BF537E

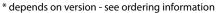
Blackfin® Core Module

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/I ² C	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



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

BLUETECHNIX Mechatronische Systeme GmbH

Lainzerstraße 162/3 1130 Wien, Austria www.bluetechnix.com Tel.: +43 (1) 9142091 x 0 Fax.: +43 (1) 9142091 x 99 Email: office@bluetechnix.at

