阅读申明

1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描叙上的差异，建议读者做出适当判断。
4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有"数据手册"字样。

Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.

2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.

3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.

4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets".
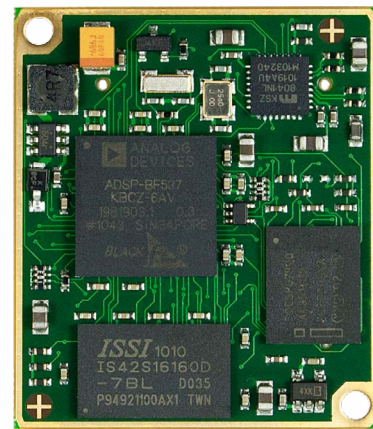
CM-BF537E

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

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

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)

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

BLUE TECHNIX