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

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

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

BLUE TECHNIX