



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# eCM-BF561

## Blackfin® Core Module

### Core Module eCM-BF561

The Core Module eCM-BF561 is optimized for performance and parallel data processing. The module integrates processor, RAM, flash and power supply at a size of 44x33mm! It is based on the high performance ADSP-BF561 from Analog Devices. The eCM-BF561 is designed for commercial applications (commercial temperature range). It addresses 128MByte SDRAM via its 32bit wide SDRAM bus and has an onboard NOR-flash of 32MByte.

### Technical Details of eCM-BF561

<b>PROCESSOR</b>	ADSP-BF561SKBCZ-6A Blackfin® embedded processor (Dual Core)
<b>CLOCK</b>	2 x 600MHz
<b>L1 cache (per core)</b>	16kByte instruction and 32kByte data
<b>L2 cache (shared)</b>	128kByte
<b>RAM</b>	128MByte SDRAM up to 133Mhz
<b>FLASH</b>	32MByte NOR
<b>PPI 16Bit</b>	2
<b>SPI</b>	1
<b>I<sup>2</sup>C</b>	Emulated by GPIO
<b>UART</b>	1
<b>SPI SPORT</b>	2
<b>TEMPERATURE RANGE*</b>	Commercial (0°C to +70°C) Industrial (-40 to +85°C)
<b>DIMENSIONS</b>	44x33mm
<b>Additional</b>	On-Board core voltage regulator Low voltage reset circuit

\*depends on version - see ordering information

### Operating Systems

- » BLACKSheep® OS (RTOS)
- » uClinux (GPOS)

### Ordering Information

Order No.	Info
100-1214-1	eCM-BF561-C-C-Q25S128F32 (eCM-BF561)
100-1215-1	eCM-BF561-C-I-Q25S128F32
100-2342-2	eDEV-BF5xx Enhanced Blackfin Development Board
100-3400	Blackfin Evaluation Starter Package with eCM-BF561
100-3106	CDK - Camera Development Kit with eCM-BF561



eCM-BF561

### Applications

- » Parallel digital signal processing
- » Automotive vision systems
- » Imaging and consumer multimedia
- » Set top boxes
- » Video conference applications
- » Portable media players
- » Digital video camera systems



eCM-BF561 also available as Camera-Development-Kit (CDK)

BLUETECHNIX MECHATRONISCHE SYSTEME GMBH

Waidhausenstrasse 3/19  
1140 Wien, Austria  
www.bluetechnix.com

Tel.: +43 (1) 9142091 x 0  
Fax.: +43 (1) 9142091 x 99  
Email: office@bluetechnix.at

