

# 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</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

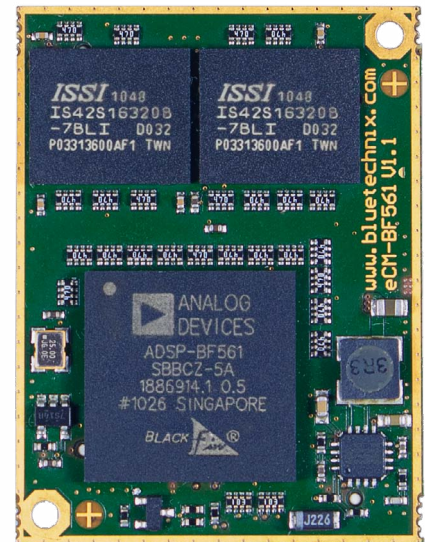
\*depends on version - see ordering information

### 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

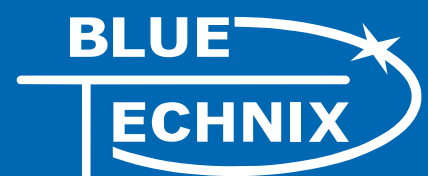


eCM-BF561 also available as Camera-Development-Kit (CDK)

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