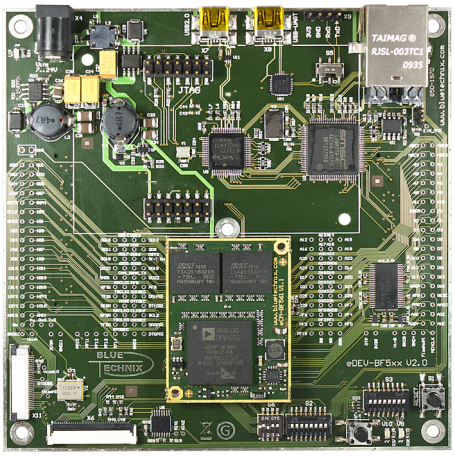
BF561 Starter Package

Blackfin® Starter Kit with eCM-BF561

BLUETECHNIX
Embedding Ideas

The eDEV-BF5xx Blackfin® Starter Package is a feature rich, low cost rapid development kit designed for rapid prototyping based on Analog Devices high performance dual core embedded processor ADSP-BF561. The starter package consists of the powerful Blackfin® based Core Module eCM-BF561 and the eDEV-BF5xx development board, which provides all interfaces on dedicated connectors and has all Core Module pins routed to solder pads which can be easily accessed by the developers. This allows customers to connect their own hardware and enables comfortable measurements. The eDEV-BF5xx supports the latest debugging interface from Analog Devices - ADI-SADA2 (Analog Devices Stand Alone Debug Agent) and features the latest extender socket (bottom side) for upcoming extender boards.



eDEV-BF5xx with connected eCM-BF561

based on BLACKfin®

Highlights

- **ADSP BF561 Dual Core DSP**
- **128 MByte SDRAM up to 133Mhz**
- **32 MByte Flash**
- **Optimized for parallel digital signal processing**
- **Full featured carrier board included**
- **Industrial SoM available**

Package Content

- **SoM - eCM-BF561**
- **Carrier Board - eDEV-BF5xx**
- **DC power cable**
- **USB device cable**

Ordering Information

Order No.	Info
100-3400	Blackfin Evaluation Starter Package with eCM-BF561
100-1214-1	eCM-BF561
100-1215-1	eCM-BF561 Industrial

BF561 Starter Package

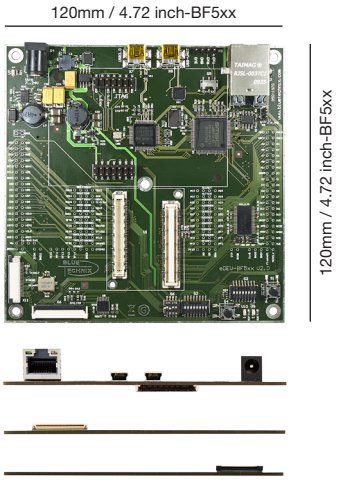
Blackfin® Starter Kit with eCM-BF561

BLUETECHNIX
Embedding Ideas

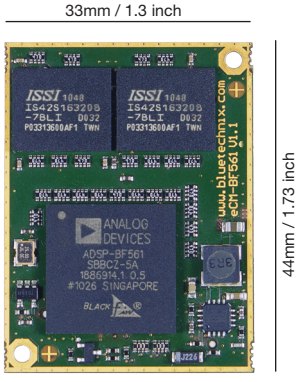
Feature Overview eDEV-BF5xx

SUPPORTED CORE MODULES*	eCM-BF561
USB TO UART CONVERTER	✓
ETHERNET CONNECTOR	✓
USB 2.0 CONNECTOR	✓
CAMERA CONNECTOR	BLT-ISM-Connector for ISM
TFT-DISPLAY CONNECTOR	EDT G- TFT Family Concept
SUPPORTED TFT-DISPLAYS	Various EDT G- TFTs (3.5“ - 7.0“)
ADI-SADA 2 CONNECTOR	✓
SD CARD SOCKET	✓
ADDITIONAL FEATURES	All pins of the connectors are available as solder pads
DIMENSIONS	120 x 120mm

*Further CMs are supported by adapters.
Goto: http://www.bluetechnix.com/goto/edev-bf5xx



eDEV-BF5xx



eCM-BF561

Feature Overview eCM-BF561

PROCESSOR	ADSP-BF561 Blackfin® embedded dual core processor
CLOCK	Up to 2 x 600MHz
L1 cache (per core)	16kByte instruction and 32kByte data
L2 cache (shared)	128kByte
RAM	128MByte SDRAM up to 133Mhz
FLASH	32MByte NOR
TEMPERATURE RANGE	Commercial (0°C to +70°C) Industrial (-40 to +85°C)
Additional	On-Board core voltage regulator
	Low voltage reset circuit
DIMENSIONS	33 x 44mm

BLUETECHNIX Mechatronische Systeme GmbH
Waidhausenstraße 3/19 | 1140 Wien, Austria |
+43 (1) 9142091 x 0 | +43 (1) 9142091 x 99
www.bluetechnix.com | office@bluetechnix.com