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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



# i.MX53 Starter Package

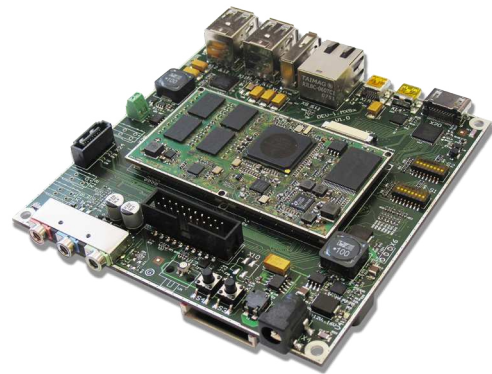
Development Kit with CM-i.MX53



BLUETECHNIX  
Embedding Ideas

The i.MX53 starter package is a feature rich, low cost rapid development kit designed for rapid prototyping based on Freescales high performance Cortex A8 embedded SoC i.MX53. The starter package consists of the powerful i.MX53 based Core Module CM-i.MX53 and the DEV-i.MX53 development board, which provides all interfaces on dedicated connectors.

The state of the art i.MX53 SoC in combination with the outstanding integration of several peripheral controllers, memory and voltage control, and the development board DEV-i.MX53 turn this development package into a high-performance embedded platform for your future applications.



based on  **freescale™**



  
Windows  
Embedded CE

## Highlights

- » Powerful i.MX53 SoC
- » Powerful Cortex™-A8 core up to 1GHz
- » 1 GByte DDR2-SDRAM
- » 2 GByte NAND Flash
- » Ethernet physical (10/100 Mbit) on-board
- » Stereo audio codec on-board
- » Free BSP available

## Package Content

- » SoM - CM-i.MX53
- » Carrier Board - DEV-i.MX53
- » DC power cable
- » USB device cable

## Ordering Information

Order No.	Info
100-4120	i.MX53 Development Starter Package
100-1470-2	SoM CM-i.MX53 Industrial
100-1471-2	SoM CM-i.MX53

Goto: <http://www.bluetechnix.com/goto/CM-i.MX53>

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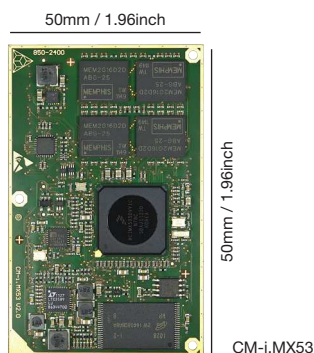
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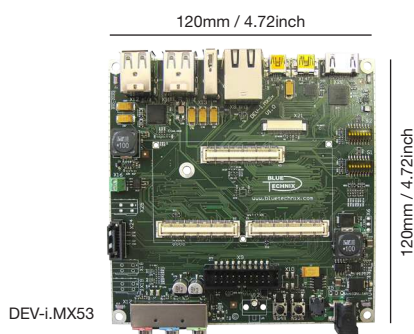
## Feature Overview CM-i.MX53

<b>SoC</b>	Freescale i.MX53 ARM® Cortex™-A8	
<b>CLOCK</b>	1GHz	
<b>RAM</b>	1GByte DDR2-SDRAM	
<b>FLASH</b>	4MByte SPI-NOR / 2GByte NAND	
<b>INTERFACES</b>	<b>AUDIO</b>	HP, Mic., Line In/Out
	<b>SPI / LVDS / CSI(10Bit)</b>	2 / 2 / 1
	<b>ETHERNET</b>	1x10/100MBit Ethernet PHY
	<b>OWIRE</b>	1
	<b>PARALLEL DISPLAY PORT</b>	2 (18-bits / 24-bits)
	<b>SATA</b>	1 up to 1.5Gbps
	<b>SD-INTERFACE</b>	2
	<b>I<sup>2</sup>C / UART / USB 2.0</b>	2 / 3 / 2 (1 x OTG / 1 x Host)
	<b>POWER SUPPLY</b>	2.7V - 5.5V
	<b>VERSIONS*</b>	Commercial 0 to +70 °C
<b>DIMENSIONS</b>	80 x 50mm	



## Feature Overview DEV-i.MX53

<b>SUPPORTED CORE MODULES *</b>	CM-i.MX53 CM-i.MX53 Industrial
<b>ETHERNET CONNECTOR</b>	✓
<b>USB 2.0 OTG / USB-UART</b>	✓ / ✓
<b>CAMERA CONNECTOR</b>	BLT-ISM-Connector for ISM
<b>HDMI</b>	1600 x 1200 @ 60fps
<b>AUDIO</b>	HP, Mic. , Line In/Out
<b>CAN**</b>	✓
<b>SATA</b>	✓
<b>3-AXIS SENSOR</b>	✓
<b>SD CARD SOCKET</b>	✓
<b>ADDITIONAL FEATURES</b>	Extender Connector and battery mount on bottom side
<b>DIMENSIONS</b>	120 x 120mm



\* All available CM-i.MX53 versions are supported.  
\*\* If supported by Core Module

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