

i.MX53 Starter Package

Development Kit with CM-i.MX53



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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>

i.MX53 Starter Package

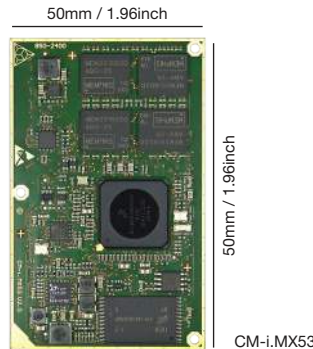
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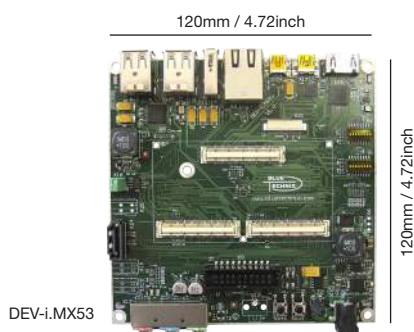
Feature Overview CM-i.MX53

SoC	Freescale i.MX53 ARM® Cortex™-A8	
CLOCK	1GHz	
RAM	1GByte DDR2-SDRAM	
FLASH	4MByte SPI-NOR / 2GByte NAND	
INTERFACES	AUDIO	HP, Mic., Line In/Out
	SPI / LVDS / CSI(10Bit)	2 / 2 / 1
	ETHERNET	1x10/100MBit Ethernet PHY
	OWIRE	1
	PARALLEL DISPLAY PORT	2 (18-bits / 24-bits)
	SATA	1 up to 1.5Gbps
	SD-INTERFACE	2
	I²C / UART / USB 2.0	2 / 3 / 2 (1 x OTG / 1 x Host)
	POWER SUPPLY	2.7V - 5.5V
	VERSIONS*	Commercial 0 to +70 °C
DIMENSIONS	80 x 50mm	



Feature Overview DEV-i.MX53

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



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

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