

Qseven® i.MX53 Kit

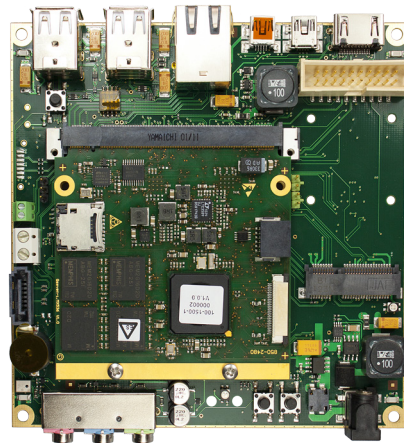
Development Kit with Qseven-i.MX537



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The Qseven® i.MX53 Kit is a feature rich, low cost rapid development kit designed for rapid prototyping based on Freescales high performance Cortex A8 embedded SoC i.MX53. This development kit consists of the powerful i.MX537 based Qseven® Rev. 1.2 compliant module Qseven-i.MX537 and a suitable carrier board DEV-Qseven-i.MX, 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 carrier board DEV-Qseven-i.MX turn this development package into a high-performance embedded platform for your future applications.



based on  **freescale™**




Windows
Embedded CE

Highlights

- » Qseven® Rev. 1.2 compliant
- » Designed for industrial applications -40 to +85°C
- » Powerful Cortex™-A8 core
- » 1 GByte DDR2-SDRAM
- » 2 GByte NAND Flash

In the box

- » Qseven SoM - Qseven-i.MX537
- » Carrier Board - DEV-Qseven-i.MX
- » DC power cable
- » USB device cable

Ordering Information

Order No.	Info
100-1520-1	Qseven i.MX53 Development Kit
100-1500-1	Qseven-i.MX537 Module

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

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Qseven® Facts

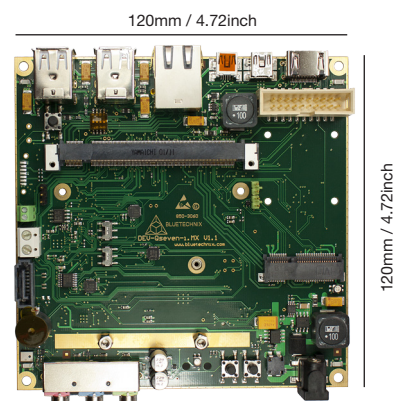
The Qseven concept is an off-the-shelf, multi vendor, Computer-On-Module that integrates all the core components of a common PC and is mounted onto an application specific carrier board. Qseven modules have a standardized form factor of 70mm x 70mm and have specified pinouts based on the high speed MXM system connector that has a standardized pinout regardless of the vendor.

Feature Overview Qseven-i.MX537

PROCESSOR	Freescale i.MX537 ARM® Cortex™-A8	
CLOCK	800MHz	
RAM	1GByte DDR2-800 SDRAM	
FLASH DISK	4MByte NOR / 2GByte NAND	
Qseven® INTERFACES	Serial ATA Channels	1
	USB 2.0 ports	7 Hosts + 1 OTG
	LVDS Channels*	2
	Display Port / TMDS / SDVO	0 / 1 / 0
	HDA	1
	Ethernet 10/100 Mbit	1
	I²C / SPI / CAN	2 / 1 / 1
	SDIO	1
	JTAG	1
	Power Button / Reset Button	1 / 1
	LID Button / Sleep Button	1 / 1
	Wake / Battery low alarm	1 / 1
	Thermal control	1
	FAN control	1
ADDITIONAL	Sleep modes	Various sleep modes available
	Image sensor interface	1 x BLT-ISM-Connector for ISM
	Micro SD card slot	1 x on-board
	Debug Interfaces	1 x UART, 1 x SPI
VERSIONS	Industrial -40 to +85 °C	
DIMENSIONS	70 x 70mm	

* only one LVDS available when using TMDS

DEV-Qseven-i.MX



DEV-Qseven-i.MX

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