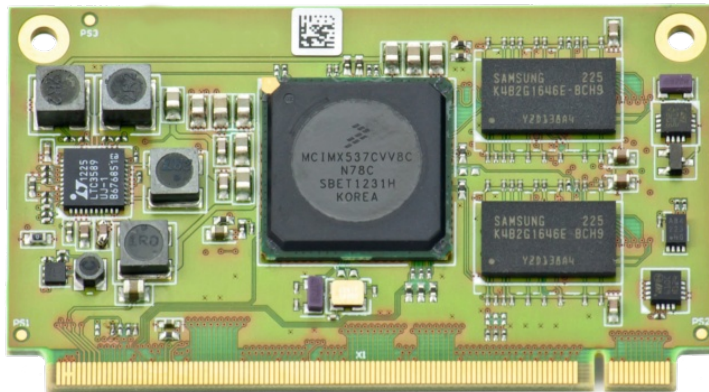


M53 System on Module

Being the second member of the "M" System-on-Module family the M53 offers the powerful CortexA8 CPU i.MX53 . The i.MX53 family of processors represents Freescale's next generation of advanced multimedia and power-efficient implementation of the ARM Cortex™-A8 core with core processing speeds up to 1.2 GHz. It is optimized for both performance and power to meet the demands of high-end, advanced applications. Ideal for a broad range of applications in the consumer, automotive, medical and industrial markets, the i.MX53 includes an integrated display controller, full HD capability, enhanced graphics and connectivity



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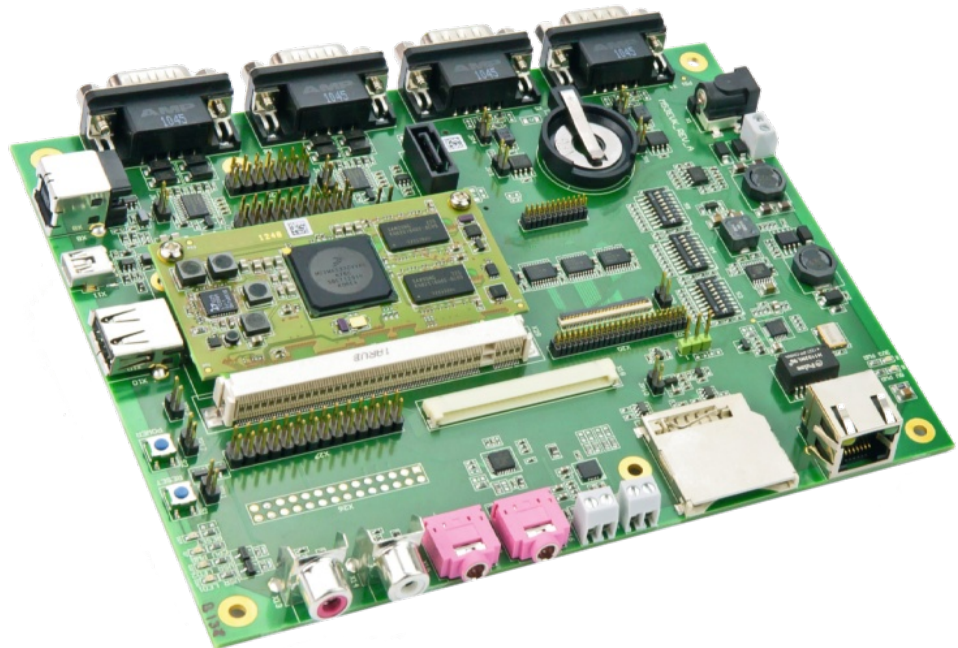
- i.MX535, 800MHz
- i.MX537, 1.2 GHz
- 512 MB to 2048 MB DDR3 RAM
- 256 MB NAND Flash
- Vector floating point coprocessor
- High-Speed USB 2.0 Host/OTG with PHY
- Integrated LVDS display , 2 channels
- TFT
- TVout
- SDIO
- UART, SPI, I2C
- CAN
- I2S and S/PDIF audio interfaces
- 10/100 Ethernet controller
- SATA
- 230 Pins edge connector
- Size: 70mm x 40mm

OS Support:

- U-Boot
- Linux

M53EVK Evaluation Kit

The M53EVK is available as a flexible evaluation platform which enables user to setup a running system in a very short time frame.



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- MXM socket for M 53
- SD-card socket
- USB 2.0 OTG connector
- USB 2.0 Host connector
- LCD flat cable header/pin header
- Dual LVDS Interface
- Camera Port
- 2 x RS232 on DSUB9
- Ethernet 10/100MBit on RJ45
- 2 x CAN on DSUB9
- DIP switch for boot modi
- SGTL5000 for audio interfacing
 - line in/mic in
 - headphone out/speaker out
- JTAG interface
- Operating Voltage: 5VDC
- EVK schematics

M53EVK kit contents:

- M53 featuring
 - i.MX537, 1GB DDR3 RAM, 256MB NAND Flash
- M53EVK
- 17,7cm (7") LCD with touchscreen
- power supply