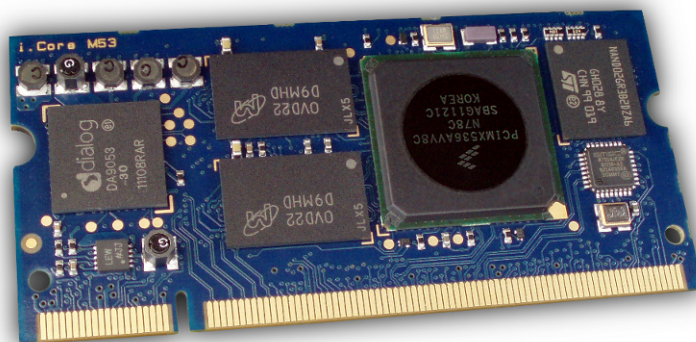


i.Core M53

CORTEX A8 CPU MODULE

- High integration
- Great flexibility of use
- PCB cost reduction
- Lower time to market
- Few external components required



Features

Core

- Freescale™ i.Mx536
- CORTEX A8 @ 1GHz
- NEON SIMD media accelerator
- Vector Floating point coprocessor

Graphic and multimedia

- Hardware 3D/2D engine OpenGL-ES 2.0 and Open VG 1.1
- Multiformat HD 1080p video decoder and HD 720p video encoder
- Touch screen
- Camera Interface
- Primary LCD WSXGA
- Secondary LCD SVGA
- One analog HD720p video output
- One LCD 18 bit parallel output and two LVDS output

Peripherals

- MMC/SDIO
- HS USB host, HS USB OTG
- 16 bit multiplexed data bus
- 1.5Gbit SATA controller
- UARTs, I2C, I2S, SPI, GPIO
- Single power supply
- Battery management

Memories

- Up to 1GB DDR3-800
- 256MB NAND Flash

Dimensions

- Standard SODIMM footprint
- 67,6x32 mm PCB size
- Very low profile module

Software

- Linux 2.6.35
- Ubuntu
- Android Mobile for i.MX
- Windows Embedded Compact 7

Starter kit

- 1x Ethernet 10/100
- 2x RS232 I/F (1+ console)
- 1x RS485 I/F
- 2x CAN bus I/F
- 3x High Speed USB HOST
- 1x High Speed USB OTG
- 1x Headphone output
- 1x TFT 7" + Touch
- 1x VGA Display connector
- 2x LVDS Display connector
- 1x MicroSD Slot
- 1x HardDisk Connector

