



Key benefits

- Low cost solution
- Powerful CPU (up to 400 MHz)
- No video coding royalties
- Windows CE 6.0
- Framework Ready To Run
- Platform customization service available

Key features

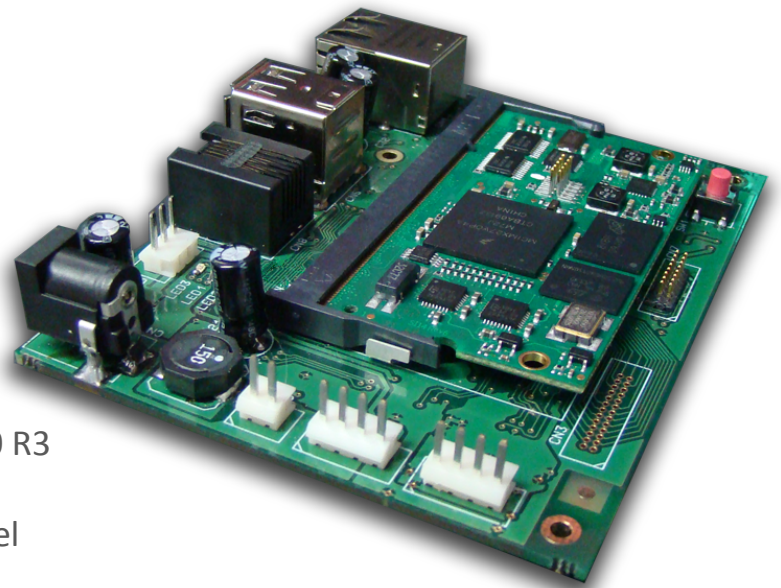
- MPEG4, H.264, H.263 encoder/decoder
- Powerful ARM9 processor
- USB 2.0 High-speed (480Mbps)
- Integrated Fast Ethernet controller
- Up to 800x600 video controller resolution
- < 1.5W power consumption
- Extended temperature range

Key applications

- Low cost multimedia solutions
- Automotive navigation system
- Human machine interface
- Infotainment
- Gaming/POS

Development Kit available

- ce-iMX27-64 with Windows CE 6.0 R3
- SDK for Visual Studio 2005
- LCD 8.0" 800x600 with Touch Panel
- Touch screen controller
- Power supply
- Ready to Use



Compact, ready to use, Freescale iMX27 solution

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ce-iMX27 :Ready to Run)

Control Engine

Processor	CPU Type : ARM926EJ-S CPU Speed : 266-400 MHz CPU Cache : 16 KB/16 KB
DRAM	Up to 128 MB DDR2 – 266MHz
Flash	Up to 128 MB NAND Flash
Video acceleration	H.264, MPEG-4, H.263 HW Encoder and Decoder 30 fps D1 Resolution Half Duplex 24 fps VGA Resolution Full Duplex
LCD display size	Up to 800x600 24 bit
Connectors	1x LVDS video output 1x 10/100 Mbps Ethernet 1x USB Host High-speed 1x USB On-The-Go High-speed 2x RS232/1x RS485 2x SPI 1x I2C Bus 16x GPIO
Audio controller	Support for I2S or AC97 codec
Software	Windows CE 6.0 SDK Visual Studio 2005 NMI Framework: LibUI, docs, support contracts
Power supply	5V +/-5%
Power consumption	< 1.7 W
Physical features	Modular 77x97mm Fanless System 0°C to 70°C / -40°C to 85°C
Ordering information	Part number ce-iMX27L-64 iMX27L with 64MB DDR2 & 64MB Nand Flash ce-iMX27-64 iMX27 with 64MB DDR2 & 64MB Nand Flash ce-iMX27L-128 iMX27L with 128MB DDR2 & 128MB Nand Flash ce-iMX27-128 iMX27 with 128MB DDR2 & 128MB Nand Flash