

## Embedded Graphics Interface Board - EGIB2

eSystem Board Computer Ready to Run - Powered by Si14

### 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 applications

- Low cost multimedia solutions
- Automotive navigation system
- Human machine interface
- Infotainment
- Gaming/POS/Kiosk
- Industrial Automation and Communication

### Key features

- MPEG4, H.264, H.263 encoder/decoder
- Powerful ARM9 processor
- USB 2.0 High-speed (480Mbps)
- SDHC, MMC
- Integrated Fast Ethernet controller
- Up to 800x600 video controller resolution
- < 1.7W power consumption TBD
- Extended temperature range



Compact, ready to use, Freescale iMX27 solution

## EGIB2 “Ready to Run”

### Embedded Graphics Interface Board

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 VGA 2x 10/100 Mbps Ethernet 4x USB High speed 4x RS232/2 RS485/1 ccTalk 2x SPI 1x I2C Bus 32x GPIO
Audio controller	Support for I2S or AC97 codec
Others	Touch screen controller on board Micro-SD socket on board
Software	Windows CE 6.0 SDK Visual Studio 2005 NMI Framework: LibUI, docs, support contracts
Power Supply	5V +/-5%
Power consumption	< 1.5 W
Physical features	125x140mm Fanless system 0°C to 70°C / -40°C to 85°C
Ordering information	Part number EGIB2-64 iMX27 with 64MB DDR2 and 64MB Nand Flash EGIB2-128 iMX27 with 128MB DDR2 and 128MB Nand Flash