

MULTIMEDIA PLATFORM i.MX53

THE i.MX53 MULTIMEDIA PLATFORM

The i.MX53 Multimedia Platform is a custom developed system board, designed for high performance graphical applications with a broad range of IO's. The board can be integrated in a device as is or it can be customized to reach optimal parameters for the specific device, such as:

- Volume price
- Performance
- Capacity
- Application specific I/O

The platform includes all production material for use at the production and assembly facilities. Further, the design has been tested and verified for EMC in fully industrialized products currently on the market. SW base for the platform is continuously expanding and currently both Linux and Android OS, with peripheral drivers, are supported.



FEATURES

- i.MX53 (Cortex-A8)
 - Up to 1Ghz
 - GPU
- Up to 2GB DDR3-800
- Flash storage
- Ethernet 10/100Mbps
- USB Hosts
- USB Device
- Display interfaces
 - LVDS
 - VGA
 - HDMI 1080p
- UART
- RS485
- CAN
- MicroSDHC
- Stereo Audio out (2,5W amplifier)
- System Expansion Port
 - USB
 - SPI
 - I2C
 - GPIOs

APPLICATIONS

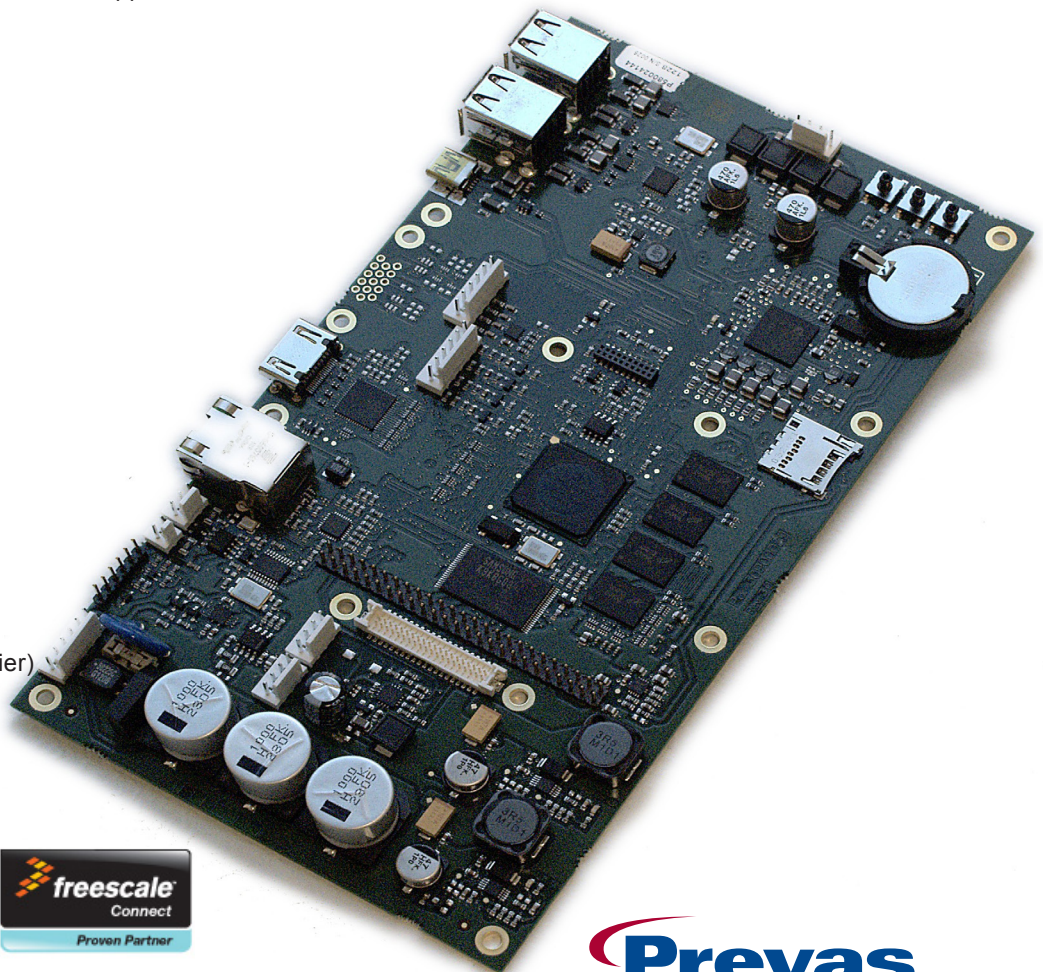
- Entertainment centers
- Industrial GUIs (VOIP)
- Digital Signage
- Smart Monitors



The Multimedia Platform i.MX53 is a part of the Electronic Subsystems IP (ESIP) concept at Prevas. ESIPs are a modularized way of developing custom electronic designs, reducing the need to reinvent well proven designs. Prevas maintains a large number of ESIP designs where the majority is already "proven", matured, and implemented in products in the market. This significantly reduces the unknown factor that is always present in the development of new designs.

Contact:

Søren W. Mathiasen, Prevas A/S
+45 20 99 76 01
soren.mathiasen@prevas.dk
www.prevas.com



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