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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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SBC-i.MX51 - Single-Board Computer

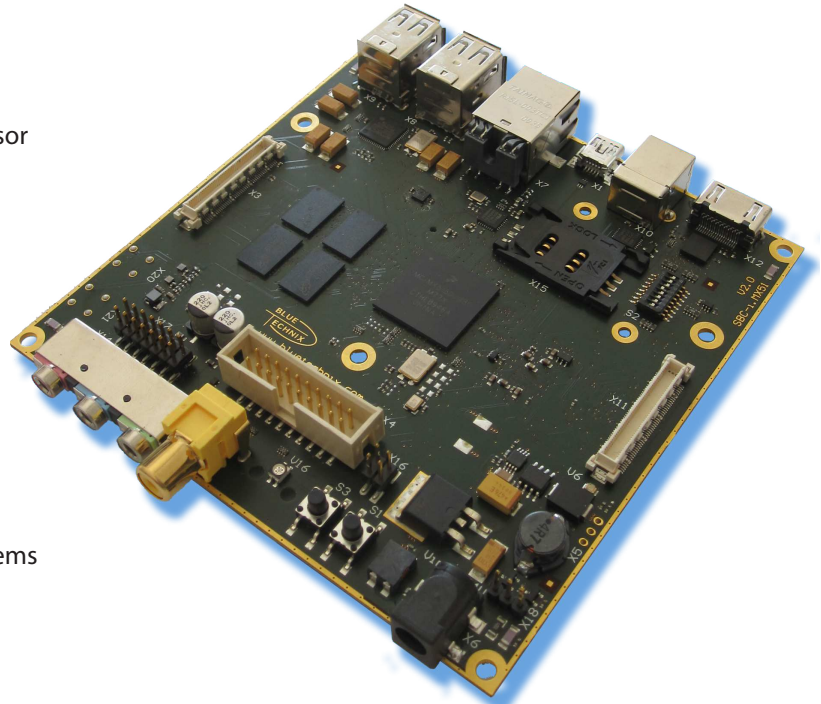
The Single-Board Computer SBC-i.MX51 is based on Freescale's high-performance i.MX51 mobile platform, incorporating an ARM Cortex-A8 CPU, an Image Processing Unit (IPUv3EX) and a Video Processing Unit (VPU). The IPUv3EX provides comprehensive support for the connectivity to displays and cameras. The VPU supports hardware encoding and decoding of MPEG-4, H.263 and H.264 standards. The board's memory capabilities (NAND Flash, DDR2) and numerous interfaces like Ethernet, HDMI, 4xUSB and USB-OTG turn the SBC-i.MX51 into the ultimate development board for future high-end embedded devices.

Advantages

- Tiny, low-cost i.MX51 board
- High-performance embedded ARM processor
- Multimedia video hardware en-/decoder
- Numerous peripheral interfaces
- Linux and WinCE support

Target Applications

- Industrial applications
- Automation and control systems
- Multimedia consumer devices (Netbooks)
- Rapid Development Kit for embedded systems



Board Features

PROCESSOR	Freescale i.MX51 Multimedia Application Processor incorporating 32 bit ARM Cortex-A8
CLOCK	Up to 800MHz
L1/L2 CACHE	32kB instruction + 32kB data / 256kB shared
MEMORY	512MByte DDR2 SDRAM 2GByte NAND Flash
POWER MANAGEMENT	MC13892VK power management IC
INTERFACES	1-Wire, Audio, Camera, CVBS, Ethernet, HDMI, I ² C, JTAG, Keypad, LCD, LEDs, PWM, SD-Card, SPI, 3xUART, 4xUSB, USB-OTG
TEMP. RANGE	-20°C to +85°C
DIMENSIONS	120x120mm
SW-IMAGES	High-quality, easy-to-use Linux platform, WinCE



Product illustration not binding

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