EVALSPEAr320PLC

Evaluation board for SPEAr320 embedded MPU

Data brief

Features

- CPU board
  - SPEAr320 embedded MPU
  - Up to 2 Gbits DDR2 333 MHz (std 128 Mbytes)
  - Up to 16 Mbytes serial Flash memory (std 8 Mbytes)
  - Two USB 2.0 full host port channels
  - One USB 2.0 host device port
  - One serial port (up to 115 baud)
  - JTAG debug ports
- Application board
  - 2 x Ethernet RJ-45 connectors (ST802RT1A)
  - 2 x CAN DB9 plug connectors
  - 3 x RS-232 DB9 plug connectors (ST3232EBTR)
  - 1 x RS-485 DB9 socket connector (ST3485EBDR)
  - Digital input connectors (parallel and serial) compatible with STEVAL-IFP007V1, STEVAL-IFP008V1 and STEVAL-IFP004V1 evaluation boards
  - Digital output connectors (parallel and serial) compatible with STEVAL-IFP009V1, STEVAL-IFP001V1, STEVAL-IFP002V1 and STEVAL-IFP006V1 evaluation boards
  - On-board temperature sensor (STLM20W87F) and potentiometer (analog input for ADC)
  - Analog extension connector featuring 8 ADC lines
  - General-purpose extension connector with GPIOs and I^2C functionality
  - DC/DC converter L7986A (+24 V / +5 V)
  - MicroSD card socket
  - 4 LEDs, 2 general-purpose buttons and system reset button

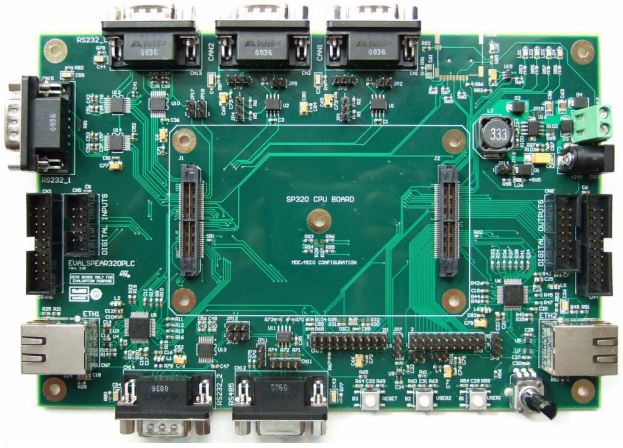
Description

This evaluation board can be used to evaluate the SPEAr320 microprocessor with a variety of devices and especially its media independent interface (MII) automation mode.

The EVALSPEAr320PLC evaluation board kit consists of two boards: a CPU board and a MII mode application board. The SPEAr320 microprocessor is mounted on the CPU board that is plugged on the MII mode application board.

Obsolete Product(s) - Obsolete Product(s)

Figure 1. EVALSPEAr320PLC evaluation board



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Revision history

Table 1. Document revision history

Date	Revision	Changes
20-Sep-2010	1	Initial release.

Obsolete Product(s) - Obsolete Product(s)

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