

ARM9 – ARM Design and Experiment Board



Key Features:

- Supports Samsung S3C24C10 x 32 bit Microprocessor
- Use Xilinx Spartan-3E FPGA
- Connection to PC via RS-232
- Downloadable NOR Flash programming for stand-alone operation
- Modular design for easily changeable CPU boards
- JTAG Interface
- Logic Analyser Interface

The ARM9 is an electronics development board with the add-on ARM9 board. ARM is the industry's leading provider of 32-bit embedded RISC microprocessors, offering a wide range of processors based on a common architecture and delivering high performance together with low power consumption and system cost.

The ARM9 provides a learning platform for this important RISC Microprocessor. With an easy to use operational systems and development process, simply enter commands directly into the CPU.

Experiment Boards

1. Establish development environment and procedure
2. C Assembly and Compile, example.
3. Boot loader utility and example.
4. SOC peripheral experiment

Specification

CPU	SAMSUNG S3C24C10x
Memory Unit	12C EEPROM, SPI Flash, NAND Flash, NOR Flash
Output unit:	1 x 8 x 8 dual colour dot matrix LED 1 x LCD 16 x 2 display 1 x 6 digits 7 segment display 1 x 3 x 4 LED output. 1 x Buzzer
Linear unit:	2 x 8-bit D/A converter 1 x 8-bit A/D converter
FPGA	XILINX, XC3S250E, PQFP208
Power requirements	100-240V AC Auto Switching
Frequency Range	50/60Hz
Communications	RS232 / JTAG
Dimensions	320mm x 226mm x 30/85mm
Weight	3.5kg

Ordering Information

Model Number:

ARM9

Consists of:

Development Board
ARM9-2410 Board
CD
Manual
USB to RS-232 Cable
Power Cord

Notes.

1. Specification is subject to change without notice.

2. All dimensions are in mm unless otherwise stated

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