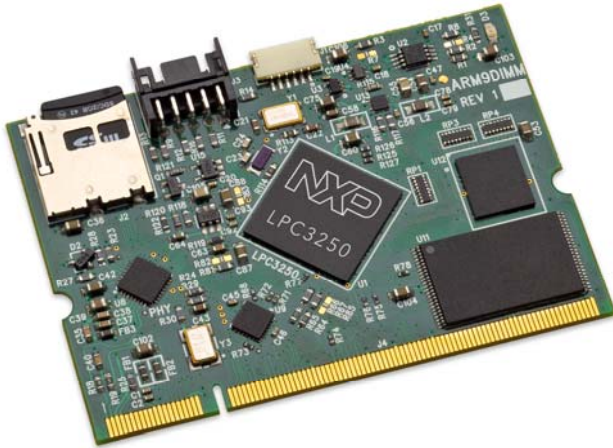


ARM9DIMM-LPC3250



*Modular ARM9
Microprocessor Plug-In
System On Chip Module*



The ARM9DIMM-LPC3250 Module provides a quick and easy solution for implementing an ARM926EJ-S design by providing the basic functions necessary for a product on an easy to use DIMM module. The DIMM module uses an industry standard 200 pin SO-DIMM interface. These sockets are utilized by virtually every laptop on the market.

This DIMM Module is compatible with FDI's Family of ARM Touch Screen LCD Kits but can also be used for custom platform development or customer applications.

The ARM9DIMM-LPC3250 Module includes an NXP ARM926EJ-S LPC3250 microcontroller running the open source Linux software platform. The LPC3250 has 256KB of internal SRAM, a 10/100 Ethernet Media Access Controller (MAC), a USB full speed device/host/OTG controller, seven UARTs, and a collection of serial communications interfaces. The ARM9DIMM-LPC3250 Module also includes 32MB of external DDR SDRAM and 256MB of external NAND FLASH.

Highlights

- **ARM9DIMM – CPU Module**
 - Based on SODIMM form factor (Dual Inline Memory Module)
 - LPC3250 266MHz ARM926EJ-S core
 - Vector Floating Point Co-processor
 - 256KB of Internal SRAM
 - 32MB of External DDR SDRAM
 - 256MB of External NAND FLASH
 - 1KB of External Secure EEPROM
 - 10/100 Ethernet PHY
 - Mini-JTAG Debug Connector
 - PCB Dimensions 2.66" x 1.89"
- **Software Included**
 - Linux Operating System
 - VMWare Development Virtual Machine Image
 - Linux Drivers support: LCD frame buffer, Touch Screen, NAND-Flash, SDRAM, MMC, USB, I2C, SPI, DMA, Ethernet, RS232, and RTC.
- Includes on-line application documents for all hardware and software
- Platform is based on a modular design for maximum flexibility
- Distribution stocking with volume discounts available

Features



ARM-TS-KIT Description

The ARM-57TS-LPC3250 is optimized to save development time in typical embedded control applications. The modular format uses a base Carrier Board, a core CPU DIMM Module and an LCD Carrier Board. The base Carrier Board includes expansion connectors for added flexibility and a range of configurations. FDI offers low cost customization services for customer specific hardware, software or packaging applications at volumes of 500 units or more.

Software Included

Linux Board Support Package

- Linux Operating System
- Bootloader (both primary boot loader and u-boot bootloader)
- VMWare Development Virtual Machine Image
- Linux Drivers support: LCD frame buffer, Touch Screen, NAND-Flash, SDRAM, MMC, USB, I2C, SPI, DMA, Ethernet, RS232, and RTC.



Ordering Information

Part Number: ARM9DIMM-LPC3250
Suggested Resale Price: \$99.75 (USD)
Order Online at: www.mouser.com

Warranty: 30-day money back guarantee
NXP Part Number: OM11079
Phone 256-883-1240 Fax 256-883-1241
sales@teamfdi.com www.teamfdi.com

Kit Contents:

- ARM9DIMM-LPC3250 Board
- Linux Software pre-loaded

Download Users Manual, documents, schematics, and software examples at:

www.teamfdi.com/ARM9DIMM-LPC3250

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