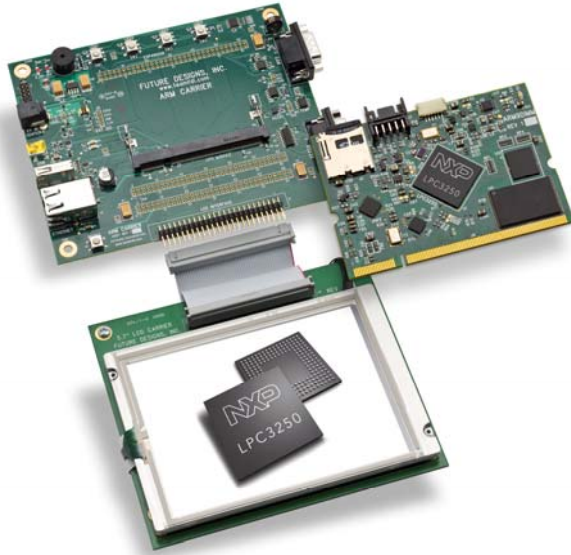


# ARM 5.7" Touch Screen LCD Kit

**ARM-57TS-LPC3250**

**For the NXP LPC3250**

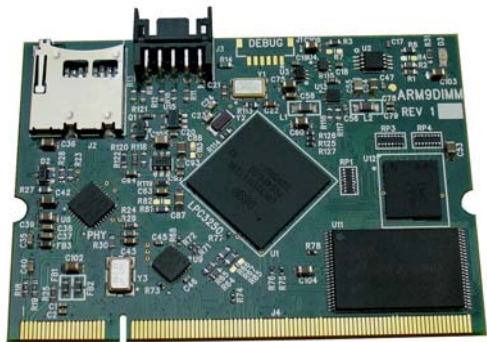


## Highlights

- **ARM9DIMM – CPU Module based on SODIMM form factor (Dual Inline Memory Module)**
  - LPC3250 266MHz ARM926EJ-S microcontroller
  - 256KB of Internal SRAM, 256MB NAND FLASH, 32MB of External SDRAM
  - 10/100 Ethernet PHY
  - Micro SD Memory Socket
  - Mini-JTAG Debug Connector
- **ARMCARRIER – Generic Carrier Board for ARM CPU and LCD Modules**
  - 200-pin ARMDIMM Socket, supporting ARM7, ARM9, & Cortex-M3 Modules
  - 10/100 Ethernet Port, USB Host and Device ports
  - One RS-232 port (Male DB9), External I2C interface
  - 3-axis Digital Accelerometer & Temperature Sensor
  - Real-time Clock with SuperCap backup
  - TFT interface for Graphics LCD displays up to 1024x768 resolution, 18-bit color
  - Flexible Power Supply input can be wall supply or 5V USB
- **LCDCARRIER**
  - 5.7" QVGA Display with Touch Screen Interface
  - Optional 3.5" QVGA board, up to 10.4" XGA Board
- **Software Included**
  - Linux Operating System
  - VMWare Development Virtual Machine Image
  - Linux Driver support: LCD frame buffer, Touch screen, NAND-Flash, SDRAM, MMC, USB, I2C, SPI, DMA, Ethernet, RS232, and RTC.
- **Supplied with easy-to-use application documents for all hardware and software**
- **Platform is based on a modular design for maximum flexibility**
- **Additional CPU DIMM and LCD Carrier boards under development**

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.

# Features



## ARM9DIMM-LPC3250 Module Description

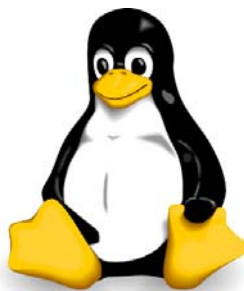
The ARM9DIMM-LPC3250 System On Chip Module includes an NXP ARM9EJ-S LPC3250 microcontroller running the open source Linux software platform. The LPC3250 has 256KB of internal SRAM memory, a 10/100 Ethernet Media Access Controller (MAC), a USB full speed device/host/OTG controller, seven UARTs, and a collection of serial communications interfaces. The ARM9DIMM-LPC3250 Module also includes 32MB of external SDRAM and 256MB of external NAND FLASH.

Actual PCB dimensions are 2.66" x 1.89"

## 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: ARM-57TS-LPC3250  
Suggested Resale Price: \$480.00(USD)  
Order Online at: [www.mouser.com](http://www.mouser.com)

Warranty: 30-day money back guarantee  
NXP Part Number: OM11078  
Phone 256-883-1240 Fax 256-883-1241  
sales@teamfdi.com [www.teamfdi.com](http://www.teamfdi.com)

### Kit Contents:

- ARM9DIMM-LPC3250 Board
- ARMCARRIER Board
- LCDCARRIER Board & 5.7" QVGA LCD Touch Screen
- 5VDC, 2.3A North American Power Supply
- USB and Ethernet Cables
- Segger JTAG Debugger with cables

### Software and Users Manual Included

**FDI** *Future Designs, Inc.*  
Your Development Partner

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Authorized Distributor

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