

RDB4078 DEVELOPMENT BOARD

An excellent platform for evaluating and developing with NXP's LPC40xx series microcontrollers.

Fitted with NXP® LPC4078 microcontroller

- 120 MHz ARM® Cortex-M4 with floating point in hardware and DSP extensions
- 512 KB Flash, 96 KB SRAM, 4032 bytes EEPROM

On-board debug connection suitable for use with Red Suite or LPCXpresso IDE without need for additional debug probe.

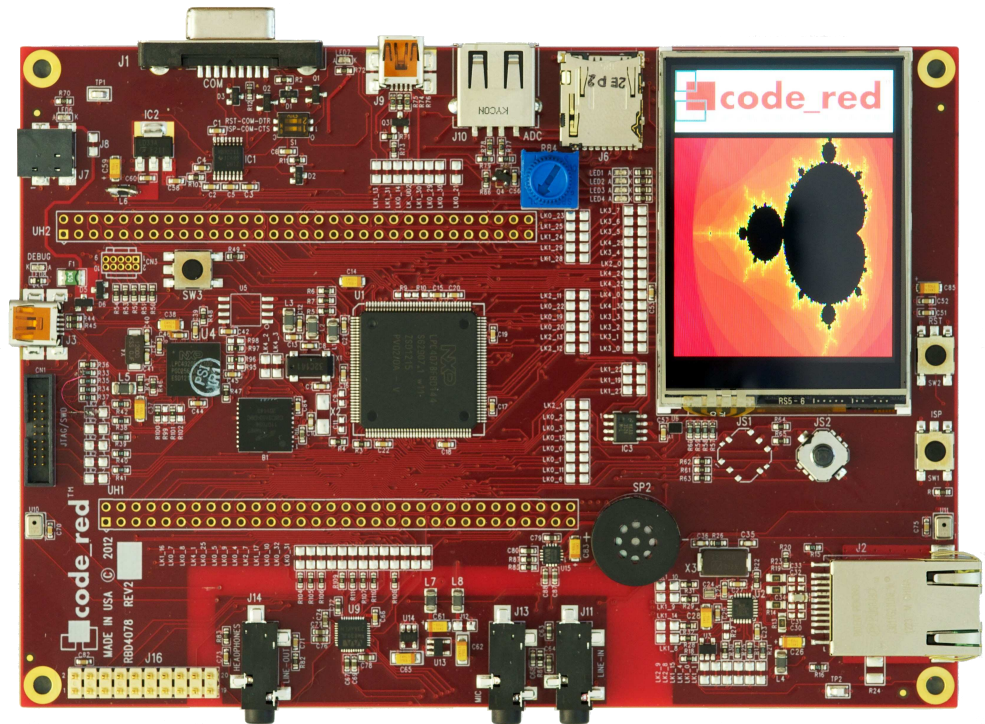
20-pin 0.05" JTAG/SWD/ETM connector for use with external debug probe also provided.

Suite of example applications, including an embedded web server, audio examples, and an SD-card filing system.

Priced at \$199



RDB4078 Development Board



Features

Stunning display

- 2.4" 320x240 IPS (In Plane Switching) color LCD providing amazingly wide viewing angle
- Resistive touchscreen

High specification audio system

- Wolfson high quality stereo audio codec WM8903
- Dual on-board digital microphones (WM7220) enabling spatial audio positioning applications
- On-board speaker driven by WM9001 amp/driver
- Standard 3.5mm audio jacks for line level and microphone input, plus line level and headphones output

- 10/100 Mbps Ethernet port using SMSC LAN8720 PHY
- High speed USB device and host connectors
- Micro-SD Card interface
- Serial port on standard 9-pin D-type with RS232 levels

Other I/O

- Mini-joystick, potentiometer, plus INT and RESET buttons, for user input
- 0.1" pitch pads for all I/O pins
- 4 User LEDs

Power

- USB powered
- Connector for external PSU—5v regulated, 300mA
- Cymbet EnerChip Battery Backup

External communication

All I/O functionality accessible simultaneously without the need to reconfigure the board.



Code Red Technologies Inc. : 648 Cheney Street, San Francisco, California 94131, USA
Code Red Technologies Ltd. : 6b Lower Court, Copley Hill Business Park, Cambridge Road, Babraham, Cambridge, CB22 3GN, UK

Tel: US Office: +1 415 349 4601; EU/UK Office +44 1223 515 768
Email: information@code-red-tech.com Web: www.code-red-tech.com

© 2012 Code Red Technologies. All brand names or product names are the property of their respective holders. Neither the whole nor any part of the information contained in, or the product described in this document may be adapted or reproduced in any material form except with the prior written permission of the copyright holder. The product described in this document is subject to continuous improvement and development. This document is intended only to provide information to the reader about the product.