

The LPCXpresso-MAX family of boards provides a powerful and flexible development system for NXP's low end Cortex-M0+ MCUs. The LPCXpresso824-MAX board has been developed by NXP to enable evaluation of and prototyping with the LPC82x family of MCUs.



Feature summary

The LPCXpresso824-MAX board includes the following features:

- Built-in CMSIS-DAP based debug probe, with option to use external debug probes.
- Compatible with LPCXpresso IDE, mbed and other toolchains
- Tri-color LED
- Target Reset, ISP and WAKE buttons
- Expansion options based on Arduino UNO, LPCXpresso/mbed, and Pmod™
- Prototyping area
- Multiple power supply options sources
- MCU power consumption measurement test points

LPCXpresso IDE

LPCXpresso IDE supports programming and debugging LPCXpresso-MAX boards using the on-board CMSIS-DAP debug interface, or with an external debug probe such as LPC-Link2. LPCXpresso824-MAX is pre-programmed with CMSIS-DAP/mbed firmware, ready for use with the LPCXpresso IDE. An external debug probe can be used by simply connecting it to the board and installing one jumper.

Partner development tools

The LPCXpresso824-MAX board can be used with development tools from NXP partners including Atollic, Keil, IAR, Rowley and Segger. Please refer to those partners for details.

LPCOpen

The LPCOpen Platform allows users to quickly and easily utilize NXP's extensive array of microcontroller software libraries to create and develop multifunctional products. Drivers for the LPCXpresso824-MAX board can be downloaded for free at <http://www.lpcware.com/lpcxpresso-max-boards>.

Board specifications

Recommended operating conditions: 0 to 70°C ambient

Weight: 0.7 ounces

Size: 2.15 x 3.05 inches

The LPCXpresso824-MAX board is RoHS compliant.