

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.