

Demo board description

Pioneered by NXP and Embedded Artists, the LPCXpresso™ development platform includes low-cost LPCXpresso target boards to get you up and running quickly. Designed for simple, rapid prototyping and evaluation, LPCXpresso™ development boards work with the LPCXpresso IDE and other industry leading partner toolchains. LPCXpresso™ is an end-to-end solution enabling embedded engineers to develop their applications from initial evaluation to final production.

This LPCXpresso™ board is populated with the LPC1769 to demonstrate and enable evaluate of the features of the LPC1700 product series. The board includes an on-board, CMSIS-DAP compatible debug probe as well as a connector for use with 3rd party debug probes.

Order Number: **OM13085**

Features

- LPC1769 Cortex-M3 based microcontroller
- Integrated CMSIS-DAP debug probe
- Debug probe section of the board can be snapped off to reduce board size
- 10 pin SWD connector for use with an external debug probe
- Ethernet 10/100 PHY
- Reset and ISP boot mode buttons
- Tricolor LED
- LPCXpresso/mbed debug expansion connectors

Descriptive summary

Overview:

The LPCXpresso™ Board for LPC1769 with CMSIS-DAP probe is comprised of an LPCXpresso™ target board, and the CMSIS-DAP compatible debug probe. The on-board probe is compatible with the LPCXpresso IDE (version 7.8 onwards) and other toolchains that support the CMSIS-DAP protocol. The board is also equipped with a standard 10-pin header enabling the use of 3rd party debug probes, with a simple jumper setting required to select between the on-board or an off-board probe.

The OM13085 board replaces the original LPCXpresso board for LPC1769 (NXP part number OM13000), and provides several new features to improve upon that design. The LPCXpresso™ expansion connector of the OM13085 is compatible with that of the OM13000. Note that the OM13085 debug probe USB connector is micro B style, whereas the OM13000 board has a mini B style.

Demo board content:

- LPCXpresso™ LPC1769 with CMSIS probe Development Board
- Card insert with links to installation information

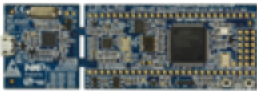
Support links:

- [LPCXpresso Home page](#)

- [LPCXpresso Boards Home page](#)
- [LPCXpresso Support](#)
- [LPCXpresso IDE](#)
- [LPCOpen Packages for LPC1769 family](#)
- [LPCXpresso Forum](#)

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- [General product disclaimer](#)
- [Quality and reliability disclaimer](#)



LPCXpresso board for LPC1769 with CMSIS DAP probe

File name	Title	Type	Format	Date
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Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM13085	9353 065 25598	OM13085UL	Active						

Type number **Description** **Status** **Quick access**

[LPC1769FBD100](#) 512kB flash, 64kB SRAM, Ethernet, USB, LQFP100 package **Production** [Download datasheet](#)
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