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

Type number	Ordering code(12NC)	Orderable part number	Products status	Region	Distributor	In stock	Order quantity	Inventory date	Buy online
OM13085	9353 065 2 5598	OM13085UL	Active						

Type number	Description		Status	Quick access
[LPC1769FBD100](#)	512kB flash, 64kB SRAM, Ethernet, USB, LQFP100 package		Production	[Download datasheet](#) [Order sample](#)

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