



IAR KickStart Kit for LPC2148

(Part Number: KSDK-LPC2148-PLUS)

IAR KickStart Kit for Philips LPC2148 contains all the necessary hardware and software and allows you to design, develop, integrate and test your applications:

- [LPC2148 development board](#)
- [20-state version of visualSTATE](#)
- [IAR Embedded Workbench with a 32KB version of the C/C++ compiler](#)
- [J-LINK-KS JTAG debugger with USB connector](#)

LPC2148 Development board

- LPC2148 MCU
- Two UARTs with drivers and DB9 connectors
- USB connector
- ETM routing
- Potentiometer connected to the ADC
- Two buttons
- One LED
- 2 x 16 LCD
- 20-pin JTAG interface connector
- SD connector for external memory
- 13x36 thru hole prototyping area
- Ready to run code example exercising on-chip peripherals
- Complete API for LCD



LPC2148 Development Board

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visualSTATE®

visualSTATE is a UML-compliant graphical design environment with advanced verification and validation tools as well as a very powerful code generator.

visualSTATE represents any complex system with UML-based state charts, a very suitable format for real-time systems with many concurrent and interrelated processes or execution threads. The use of state-chart diagrams is exceptionally beneficial for control logic oriented applications such as monitoring, metering and control applications where reliability, size and deterministic execution are the main criteria, which makes visualSTATE the ideal design tool for ARM-based projects.

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IAR Embedded Workbench®

IAR Embedded Workbench is an Integrated Development Environment with a complete and easy-to-use set of C/C++ cross compiler and debugger tools for professional embedded applications.

- KickStart 32KB C/C++ compiler
- Project manager
- Editor
- Linker and librarian tools
- C-SPY® debugger
- Full integration with J-Link

Complete upgrade path available from IAR Systems.

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J-Link-KS USB-driven JTAG interface for ARM

J-Link-KS is a small USB-to-JTAG conversion box designed for ARM. It connects via USB to the PC host running Windows. J-Link integrates seamlessly into IAR Embedded Workbench for ARM and is fully plug-and-play compatible:

- Supports all ARM7 and ARM9 architectures
- Download speed up to 50 KB/sec
- No power supply required, powered through USB
- JTAG speed 8 MHz
- Auto speed recognition
- All JTAG signals can be monitored, target voltage can be measured
- 20-pin standard JTAG connector
- USB and 20-pin flat cable included
- Supported platforms: Windows 2000 and Windows XP

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IAR J-Link USB-driven JTAG interface

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Direct link to this page: <http://www.iar.com/lpc2148>