

# IAR KickStart Kit™ for LPC2148

*IAR KickStart Kit™ is a complete evaluation environment; it contains a development board, a JTAG debugger, and a suite of software tools for embedded development. Design, develop, implement and test your applications on LPC2148 from Philips using a single integrated toolkit. From Idea to Target®*

## **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

## **J-LINK-KS USB-DRIVEN JTAG INTERFACE**

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

- Supports all ARM7 and ARM9 architectures
- Download speed up to 50 KB/sec
- No power supply required
- JTAG speed 8MHz
- 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: Microsoft® Windows® 2000 and Windows® XP



## **visualSTATE®**

- Graphical design environment with advanced verification and validation tools for error-free source code
- Powerful code generator creates C/C++ that is 100% consistent with your system design
- Automatic generation of design documentation
- UML-compliant state machine standards
- 20-state version included, complete upgrade path available from IAR Systems

## **IAR Embedded Workbench®**

- Easy-to-use integrated development environment
- Powerful project management features
- KickStart 32KB C/C++ compiler included, complete upgrade path available from IAR Systems
- Editor, linker and librarian tools
- Template projects and programming examples
- Chip-specific flash tools
- C-SPY™ debugger
- Complete integration with J-Link

## **FREE download — IAR MakeApp for LPC2148**

IAR MakeApp is a family of visual development tools that helps you design and implement peripheral device drivers more quickly and easily than ever before. With IAR MakeApp it becomes easy to master the complexity of even the most advanced microcontrollers on the market.

IAR MakeApp is a true expert of Philips LPC2148 and provides a highly visual workspace for the configuration of the microcontroller. Device-driver source code is created automatically and your application software gets instant access to the peripherals in the microcontroller. An extensive project report in HTML format can also be generated and the component browser visualizes the chip details.

**FREE download from <http://www.iar.com>**