

XK-1A Development Kit

The XK-1A is a low cost development board for exploring event-driven processor designs based on the XS1-L1 device. Multiple XK-1A boards can be linked together in a chain and two I/O expansion areas are provided for connecting additional components to the XK-1A. Design files for example add-on boards are available, including an SD card reader, a Bluetooth adapter and a Control Card.

The XK-1A is available as a kit with an XTAG-2 debug adapter that can be connected to the XK-1A to provide a JTAG interface to the board from a PC:

Contents	Part Number	Price	Buy
XK-1A + XTAG-2	XK-1A		

The XK-1A can be powered directly from the XTAG-2 connector or from an external 5V power supply.

■ XK-1 and XK-1A Boards

The XK-1A board replaces the XK-1 board which is no longer available. The boards provide the same functionality apart from minor changes that are detailed in the [XK-1 Development Kit Update](#) document.

The XK-1A Tutorial can be used with the XK-1 Tutorial code for either board. The XK-1 add-on designs can also be used with either board.

XK-1A Board Features

- Single XS1-L1 device
- 400 MIPS
- Eight threads
- 64Kbytes RAM
- 8Kbytes OTP memory
- 128Kb SPI FLASH
- Four user-configurable LEDs and two push-button switches
- Two 20-way XSYS connectors for XTAG-2 debug adapter and additional XK-1As
- Two 16-way IDC headers for connecting additional components
- 24 I/O user expansion

Software

☆ [XK-1 Tutorial Code](#)

☆ [XK-1 Two Board Example](#)

Hardware

☆ [XK-1 Control Card Design Files](#)

☆ [XK-1 SD Card Design Files](#)

☆ [XK-1 Bluetooth Card Design Files](#)

☆ [XK-1A Design Files](#)

☆ [XK-1A Gerbers](#)

☆ [XK-1A BOM](#)

☆ [XK-1A Schematic](#)

Documentation

☆ [XK-1 Product Brief](#)

☆ [XK-1A Tutorial](#)

☆ [XK-1A Quick Start Guide](#)

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Standards

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