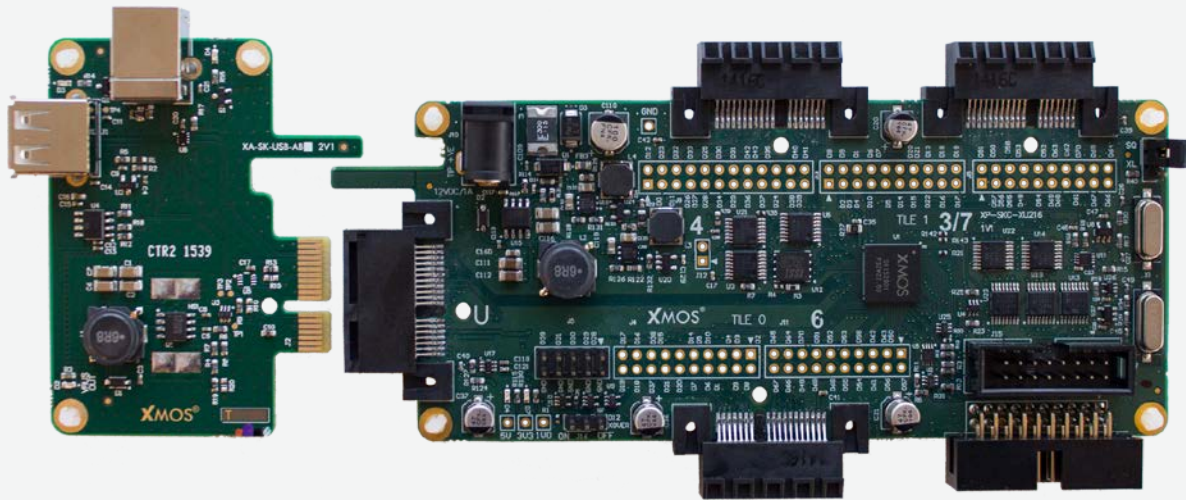




# xCORE-200 USB sliceKIT

## MODULAR DEVELOPMENT SYSTEM KIT



### FEATURES

- Flexible core board
  - 16-core multicore microcontroller with 512KB SRAM (XU216-512-FB236)
  - Up to 2000MIPS compute
  - Three digital I/O slots for sliceCARDs
- High Speed USB Device
- Full Speed USB Host
- Includes USB A/B sliceCARD, and xTAG v3.0 debug adaptor
- Library components and demos to get you started quickly and easily
- Supported by xTIMEcomposer software tools and xCORE libraries

The xCORE-200 USB sliceKIT contains everything you need to start developing USB applications on the powerful xCORE™ multicore microcontrollers from XMOSS. The xCORE-200 USB sliceKIT features our 16-core High Speed USB device (XU216-512-FB236) which delivers the deterministic, responsive processing required to handle a variety of peripheral interfaces, data processing and control tasks.

The kit includes a USB slice card with USB A and USB B connectors, which works with xCORE-USB integrated High Speed USB 2.0 PHY. Our sliceKIT product range includes a wide variety of other I/O boards (sliceCARD), making it easy to rapidly develop systems.

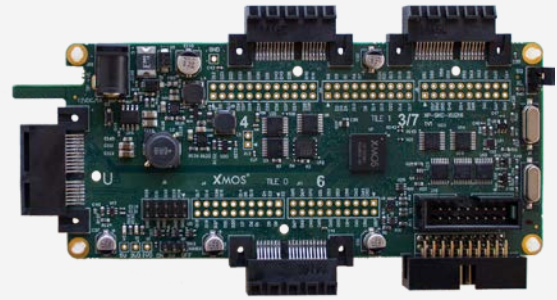
Application development is supported by a range of library peripherals that are seamlessly integrated into your projects using xTIMEcomposer Studio. A range of application notes with full source code show examples of enumerating as different USB Class devices.

XMOSS makes developing complex applications simple. sliceKIT gives you the opportunity to rapidly explore the application possibilities, and enables you to realize your designs quickly.

## xCORE-200 USB sliceKIT CONTENTS

### Core Board

The board provides the xCORE-USB multicore microcontroller (XU216-512-FB236) with power, clocking, debug and expansion slots for digital I/O slices.

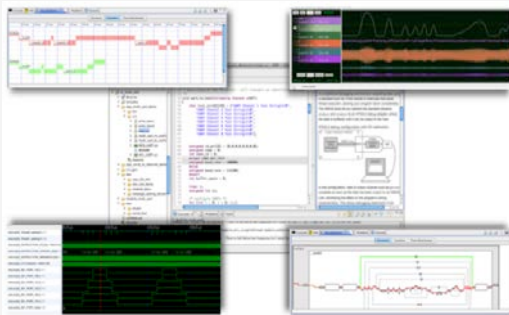


### USB A/B sliceCARD

- USB A and USB B connectors
- Works with xCORE-USB integrated High Speed USB 2.0 PHY

### xTAG Debug Adapter

- Connects to the host via USB 2.0
- Pins for JTAG control, system reset, processor debug, 1 x duplex UART link 1 x duplex serial xCONNECT Link.



### xTIMEcomposer Development Tools

- Eclipse based IDE
  - LLVM Compiler with multicore support
  - GDB based multicore debugger
  - Cycle accurate simulator
  - xSCOPE Software Logic Analyzer
  - Static Timing Analyzer
- Software defined peripheral libraries

## ORDERING INFORMATION:

For a list of XMOS distributors, please visit [www.xmos.com/support/distributors](http://www.xmos.com/support/distributors).

Part number	Contents
XK-SK-XU216-ST	XU216 core board, USB A/B sliceCARD, xTAG debug adapter, 12v PSU

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This is a preliminary product brief, contents are subject to change



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