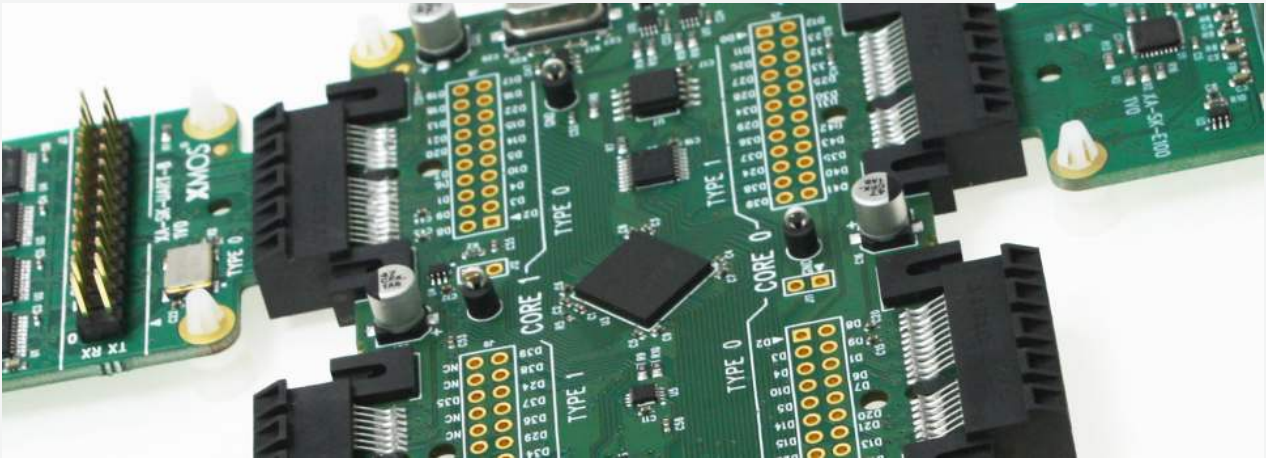# sliceKIT

MODULAR DEVELOPMENT SYSTEM STARTER KIT

FEATURES

- XS1-L16-128-QF124 device

- 16 logical cores, 1000MIPS 128KB SRAM

- Flexible core board supporting up to four I/O "slice" slots

- Includes Ethernet and GPIO slices, XTAG debug adaptor

- Rapid prototyping of systems with your set of interfaces

- Expandable to larger systems by daisy chaining core boards

- Supported by xTIMEcomposer software tools including xSOFTip Explorer

The sliceKIT starter kit contains everything you need to start developing applications on the powerful xCORE™ multicore microcontrollers from XMOS. The sliceKIT starter kit features our 16 core L-Series device which delivers the deterministic, responsive processing required to handle a variety of peripheral interfaces, data processing and control tasks.

We also provide Ethernet, UART and I2C communications and I/O interfacing as part of the kit, and these capabilities can be developed with our rapidly expanding library of sliceKIT I/O boards.

Your application development is supported by our xSOFTip library, which is seamlessly integrated into the xTIMEcomposer Studio, allowing you to drag and drop your multicore microcontroller configuration into the sliceKIT starter kit.

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

CONTENTS

sliceKIT core board

The board provides the xCORE MMCU with power, clocking, debug as well as expansion slots for four I/O slices and further core boards. The XTAG-2 Debug Adapter connects to the host via a USB 2.0 and provides pins for JTAG control, system reset, processor debug, one duplex UART link and one duplex serial XMOS Link.
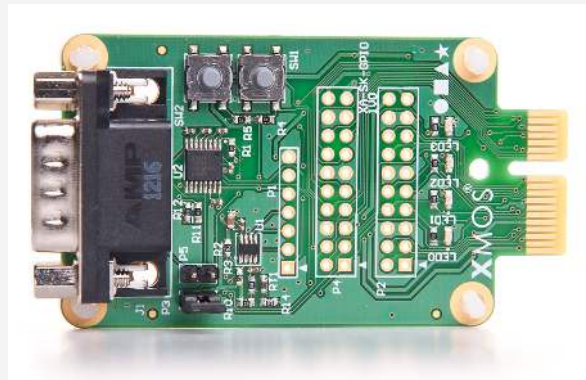
sliceKIT Ethernet slice

- 10/100Mb Ethernet PHY
- RJ45 connector (cable not included)
- MII interface to xCORE

sliceKIT GPIO slice

- 4 LEDs
- 2 buttons
- One RS232 parallel cable with DB9 connector (cable not included)
- 4 channel A/D via I2C interface
- Thermistor input via A/D

ORDERING INFORMATION:

For a list of XMOS distributors, please visit www.xmos.com/support/distributors.

Part number	Contents
XK-SK-L2-ST	XS1-L16 core board, Ethernet slice, GPIO slice, XTAG debug adapter and 12v PSU

XMOS®