

DISCOVER EVENT-DRIVEN PROCESSORS

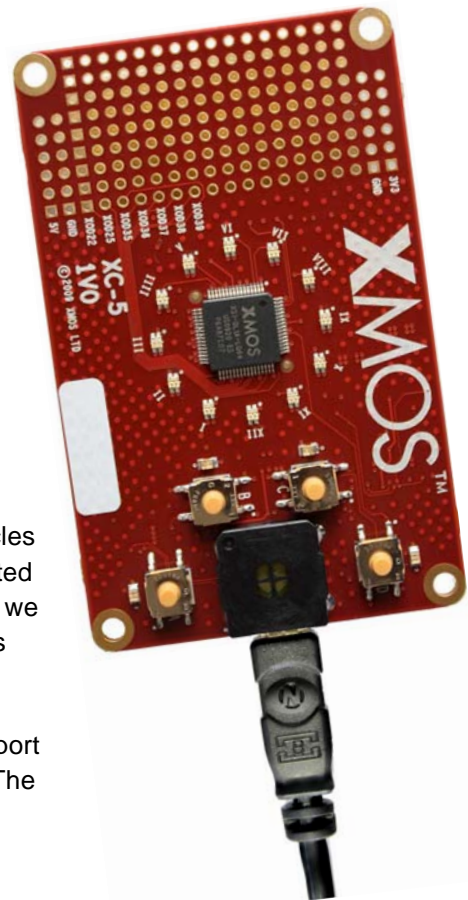
The XC-5 Development Kit is a quick and cost effective route to trying out your design ideas using the energy-efficient XS1-L1 event-driven processor.

The credit card sized XC-5 board provides basic I/O including LEDs, push-button switches and a speaker which can be driven using a software 1-bit DAC. The XC-5 is easily interfaced to your system hardware via seven user I/O pins, and you can integrate additional components using the 0.1" pitch through-hole prototyping area.

RAPID DEVELOPMENT OF YOUR SYSTEM

Thanks to an embedded software design flow, development cycles with XMOS devices are extremely short. The XC-5 kit is supported by a complete suite of design tools. To accelerate your learning we provide a comprehensive set of tutorials, demonstration projects and quick start guide.

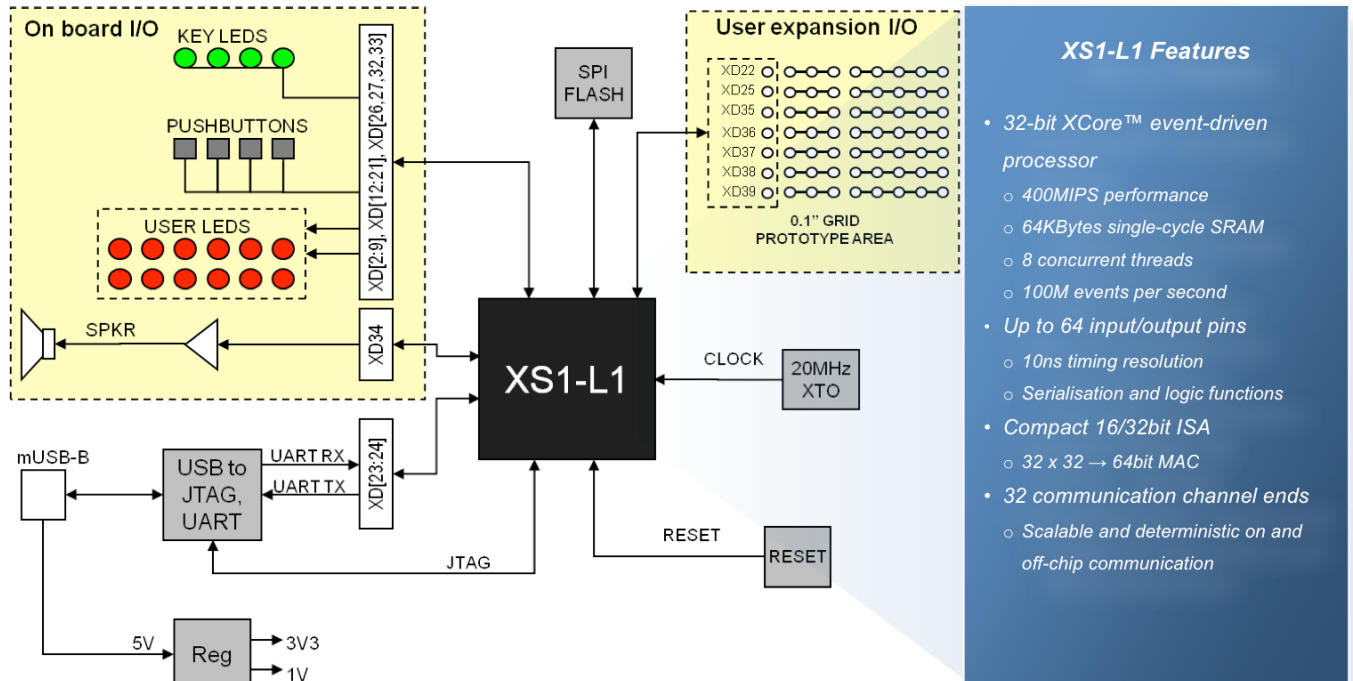
The board is powered directly from the host workstation's USB port which also serves as the debug and programming connection. The XC-5 Development Kit provides everything required to start developing your application.



XC-5 DEVELOPMENT KIT AT A GLANCE

- XS1-L1 Single-XCore™ 400MHz device: Eight threads, 400 MIPS, 64KB RAM, 8KB OTP
- Development board features:
 - USB power and host debugger connection
 - 512KB SPI Flash for program and data storage
 - Four push-button switches and LED pairs
 - 12 bi-colour LEDs
 - Integrated speaker (can be driven via software DAC)
 - Seven pins user I/O expansion with 0.1" prototype area
 - Credit card sized (85 x 54 mm)
- Complete development tool suite
 - C++, C and XC compilers, linker and mapper for use with or without an IDE
 - Simulator, timing tools and in-circuit visual debugger
- Tutorial suite with examples
 - Clock / Countdown timer, tone generator, reaction game and more

XC-5 DEVELOPMENT CARD BLOCK DIAGRAM



SOFTWARE DEVELOPMENT TOOLS

The XC-5 Development Card is supported by an integrated development environment that integrates compilers, simulator, static timing analyser, visualisation tools, debugger and a flash memory programming utility.

Applications are written in C, C++ and XC, an extension to C that supports concurrent, real-time programming using channel-based communications and event driven control.

For more information about XMOS or our products, to purchase an XC-5 Development Kit, or to download your free copy of the development tools, please visit www.xmos.com.

