

The logo for Xmos features a stylized 'X' on the left, composed of overlapping triangles in shades of blue and lime green. To the right of the 'X' is the word 'MOS' in a clean, white, sans-serif font. A registered trademark symbol (®) is positioned at the top right of the 'S'.

Xmos®



XMOS

Home of multicore microcontrollers



XMOS...who are we?



CEO



CTO



COO



VP Marketing



VP Sales



Finance

- Privately held fabless semiconductor company
Leader in intelligent multicore microcontrollers
- Experienced management team
| Altera | ARM | Broadcom | Lattice | Lucent | Nvidia |
- Major financial and strategic investors
| Amadeus | Bosch | DFJ | Foundation | Huawei | Xilinx |

XMOS ... a global business



 XMOS R&D

 XMOS Sales

 Manufacturing

XMOS ... what do we do?

Provide embedded systems designers a new approach to solving today's real-time compute problems



Gigabit speed IoT

Connectivity | Bridging | Security



Audio

Live | Consumer | Pro



Industrial

Robotics | Control | Fieldbus



Imagine a microcontroller...

...that allows you to **configure**, the exact set of interfaces you need

...with **multiple** 32bit processor cores to perform tasks in parallel

...that supports 64bit **DSP** and **security** processing

...which makes your code completely **timing-predictable**

...and **responds 100x** faster than any other processor



Welcome to the world of **x**CORE!

... a truly deterministic architecture

xTIME™ scheduler

- Hardware RTOS
- 100% timing determinism
- 2nsec resolution

Hardware response™ I/O

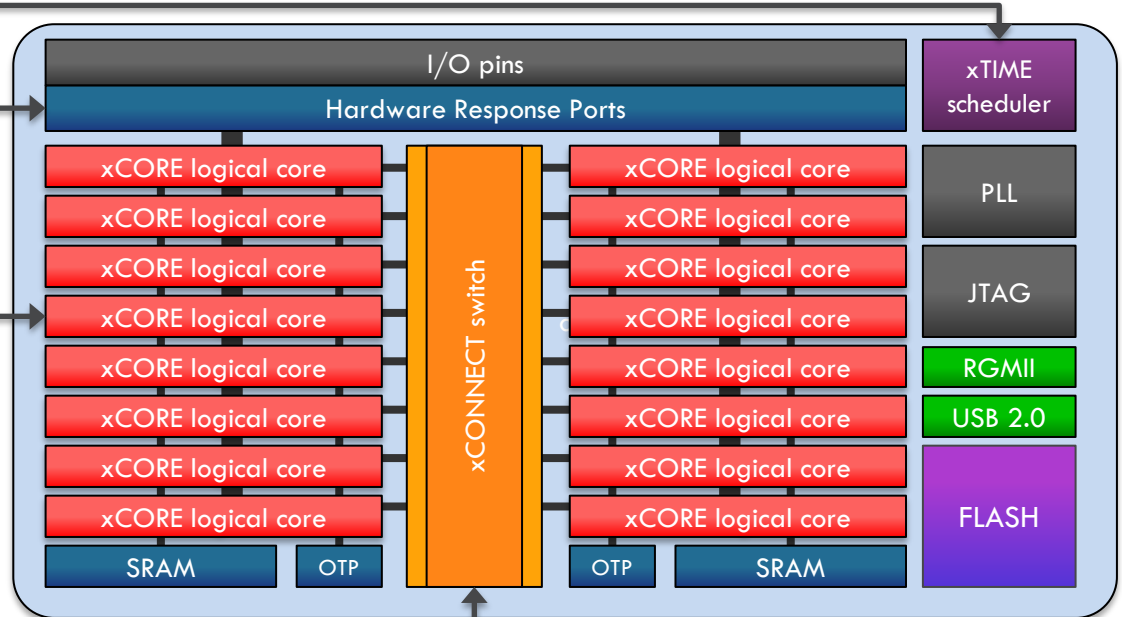
- 100x faster I/O response
- Enables software defined peripherals

xCORE™ 32bit logical processor cores

- Parallel multi-tasking
- Event driven architecture
- DSP processing and Security (OTP)

xCONNECT™

- Zero latency switch
- Scalable off-chip communications



xCORE-200™ XEF216-512 device



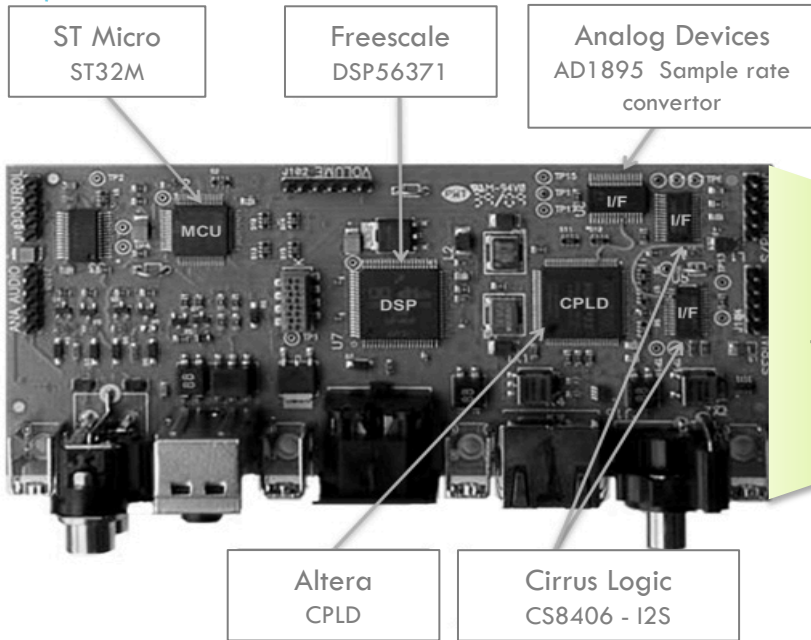
XMOS ... benefits to your business

- Faster time to market up to 50% reduction in development time
 - Easy-to-use C/C++ programming model
 - Single programming model & tool chain for compute, DSP & IO
- BOM reduction ... up to 70%
 - Integrating compute, DSP & IO processing on single device
- Increased development efficiency ... up to 80% development reuse
 - Scalable, reusable IP enables rapid turnaround of product variants



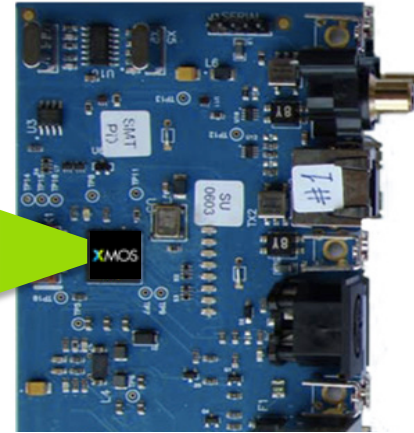
Reduced total cost of ownership

... customer case study



- 32 bit compute
- complex peripherals
- DSP

70% BOM saving

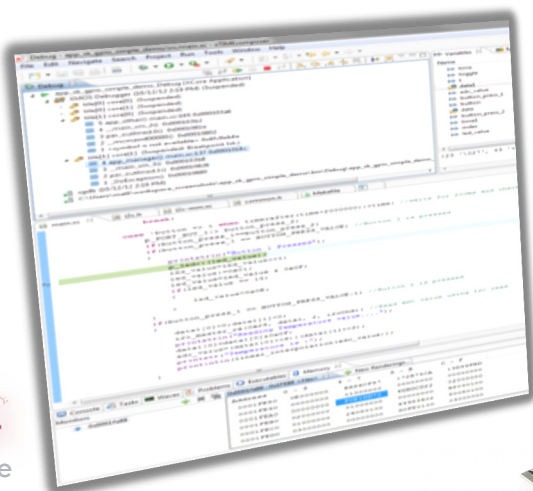


“Using XMOS we were able to replace three separate development systems, **saving us over 6 months** in development time. All our new products now use xCORE”

Meridian Audio

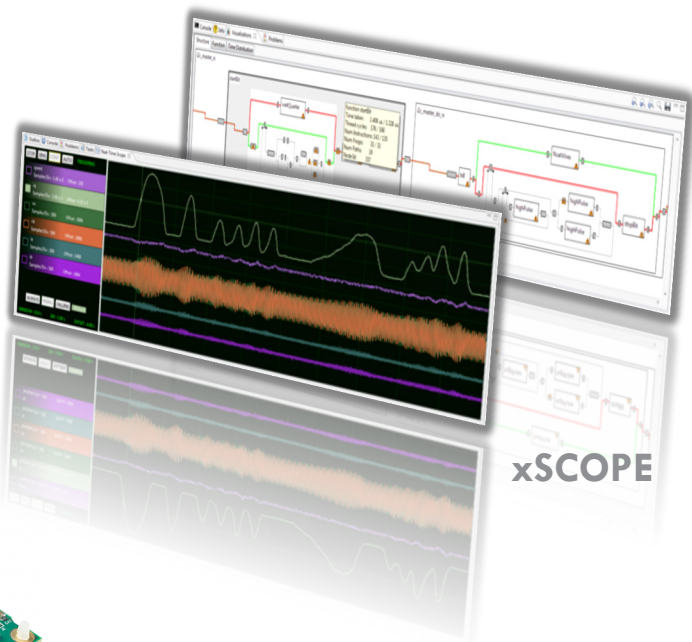


Getting started ... xTIMEcomposer STUDIO



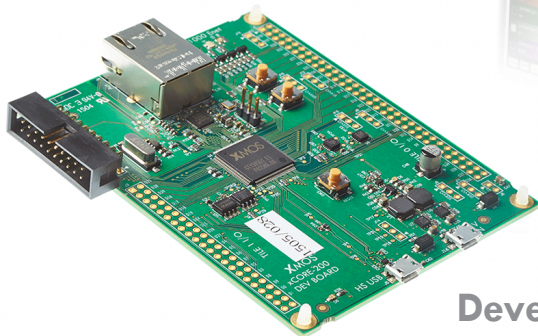
XDE

C/C++
for multicore



XTA

xSCOPE

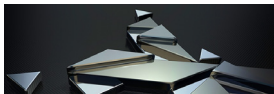


Development boards

...over 15,000 unique users



Find out more ...



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Explore our software libraries & reference solutions at:

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Download the xTIMEcomposer developer tools at:

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