



CONQUER THE 4TH DIMENSION

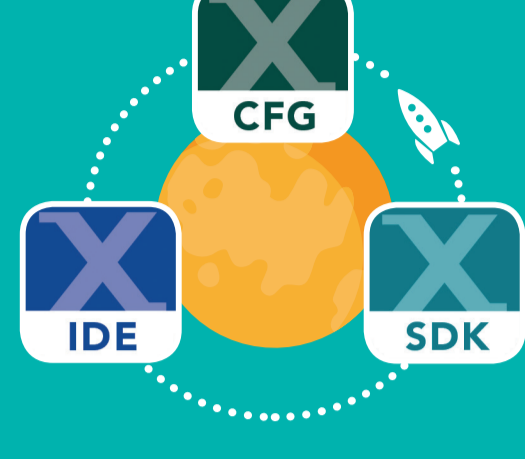


IT'S TIME TO SIMPLIFY THE SOFTWARE DESIGN PROCESS

Time is the most precious resource in software development, leading to successful product design and implementation.

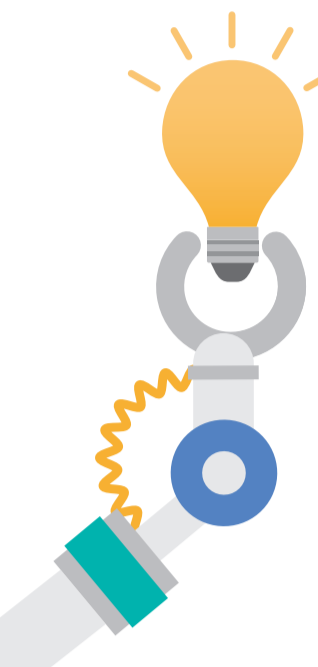
What's more, saving time means more than just saving money. That's because wasting time in the software development process means frustrated designers – overstretched resources – and even losing competitive advantage and market leadership.

NXP's **MCUXpresso** software and tools help you conquer the 4th dimension with intuitive programming solutions that can cut your development time.



A TIMELY LOOK AT THE FACTS

TIME PRESSURES ON DESIGNERS:



FIND A DIRECT ROUTE THROUGH SW PROCESS

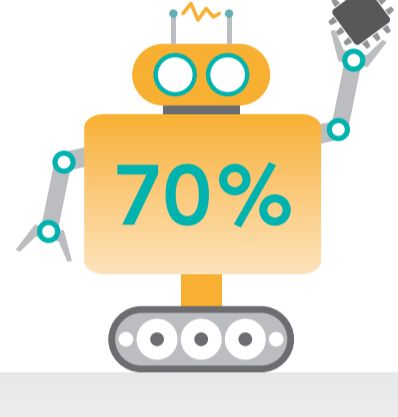


TO GET TO MARKET FASTER



LIMITED RESOURCES WITH MAXIMUM EFFICIENCY

AVAILABILITY OF SOFTWARE DEVELOPMENT TOOLS
70% of respondents to the 2017 **Embedded.com** study identified this as the most important factor when choosing a processor.

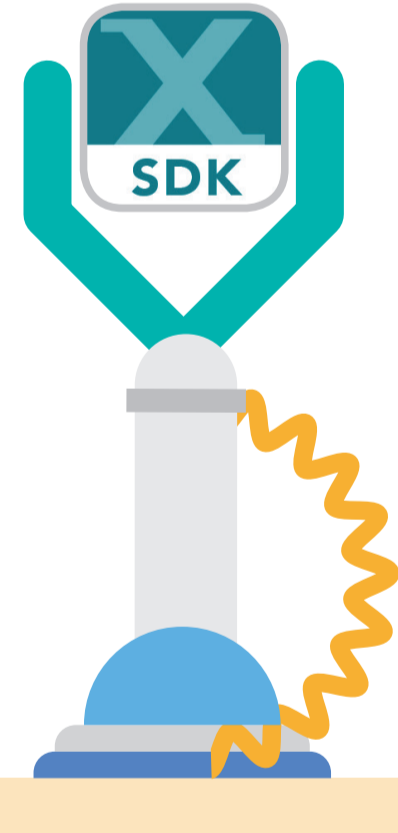


TIME FOR NEW IDEAS

<p>EASY MIGRATION AND SCALABILITY</p> <p>for future design needs, without needless software relearning - the environment is familiar no matter what MCU you're using.</p>	<p>MIDDLEWARE, OPEN SOURCE DRIVERS AND EXAMPLE CODE FOR OVER 1,000 MICROCONTROLLERS</p> <p>but you build just for your specific need.</p>
<p>STREAMLINED END APPLICATION DEVELOPMENT</p> <p>Eclipse-based tools for easy edit, compile, debug complete with integrated pins, clocks, and configuration code.</p>	<p>EASY TO USE</p> <p>Your design needs will change, but the tools won't. Re-use work and knowledge and save so much valuable time.</p>

CONQUER THE 4TH DIMENSION WITH MCUXPRESSO SOFTWARE AND TOOLS

To directly address the concerns highlighted by developers, MCUXpresso software and tools **accelerate evaluation** and development with Arm® Cortex-M® cores, making it quick and easy to **integrate software** and speed up your **project development process**. Specifically, we've brought together the best of NXP's software enablement into one unified development experience.



MCUXpresso SDK

Foundational software that kick starts application development

A thoroughly tested collection of **open-source software components** built specifically for your processor and evaluation board selections.

- Pre-integrated, production-grade software including peripheral drivers, connectivity stacks, middleware and RTOS
- Usage examples for all drivers, stacks and middleware plus sample applications make getting started easy
- No need for time-consuming downloads – customize your kit and get just what you need based on MCU, evaluation board, and component selections

MCUXpresso IDE
Develop and optimize your application
An easy-to-use, integrated, **Eclipse-based development environment** for creating, building and debugging.



INTUITIVE INTERFACE

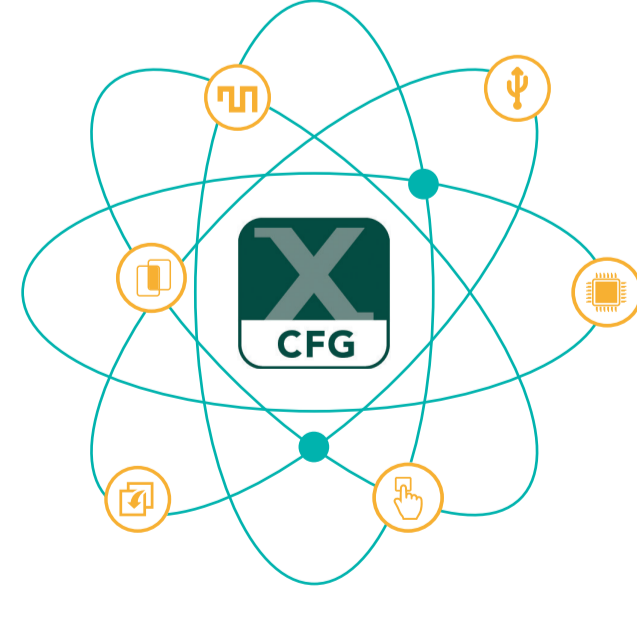
Intuitive interface includes unique development perspective, integrated configuration tools and trace functionality and profiling.

MULTICORE DEBUGGING

Multicore debugging with support for industry-leading commercial debugging probes from NXP, P&E and SEGGER

UNLIMITED CODE SIZE

Full-featured IDE with no code-size limitations, all available for free.



MCUXpresso Config Tools

Go from first evaluation to production software development

A comprehensive suite of **system configuration tools** -- including pins, clocks and peripherals -- with project updating and cloning.

- Ability to support your custom hardware
- Graphical view of package pin out and clock tree paths
- Quick start selections for initializing peripherals

WE MAKE IT EASY FOR YOU TO:

1ST

GET TO MARKET FIRST

FINISH YOUR DESIGN AHEAD OF SCHEDULE

CREATE YOUR NEXT GREAT IDEA



www.nxp.com/MCUXpresso



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