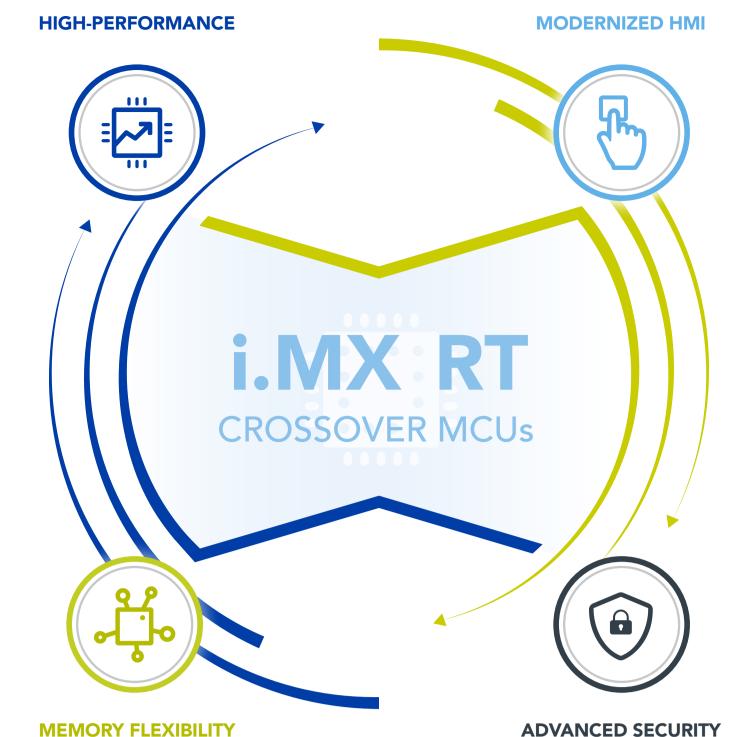
CREATE UNRIVALLED IOT EXPERIENCES WITH i.MX RT CROSSOVER MCUs

The i.MX RT series combines ease-of-use with high-performance processing and next-level integration and security.



WHAT CAN YOU DO WITH THE I.MX RT SERIES PORTFOLIO?



PRODUCTS The i.MX RT series portfolio is designed with the high-

performing Arm® Cortex®-M based technology, which gives you up to 6468 total CoreMarks with Cortex-M7 @ 1 GHz + Cortex-M4 @ 400 MHz* - providing both a real-time system and an applications-processorlevel of performance and integration - all with ease of use of an MCU. *Available on the i.MX RT1170 MCU



The i.MX RT series provides scalable HMI solutions with

support for parallel and MIPI display controllers and cameras. For graphics acceleration, take advantage of the 2D pixel pipeline accelerator, 2D GPU with vector graphics acceleration, in addition to embedded graphics software as part of the MCUXpresso SDK.



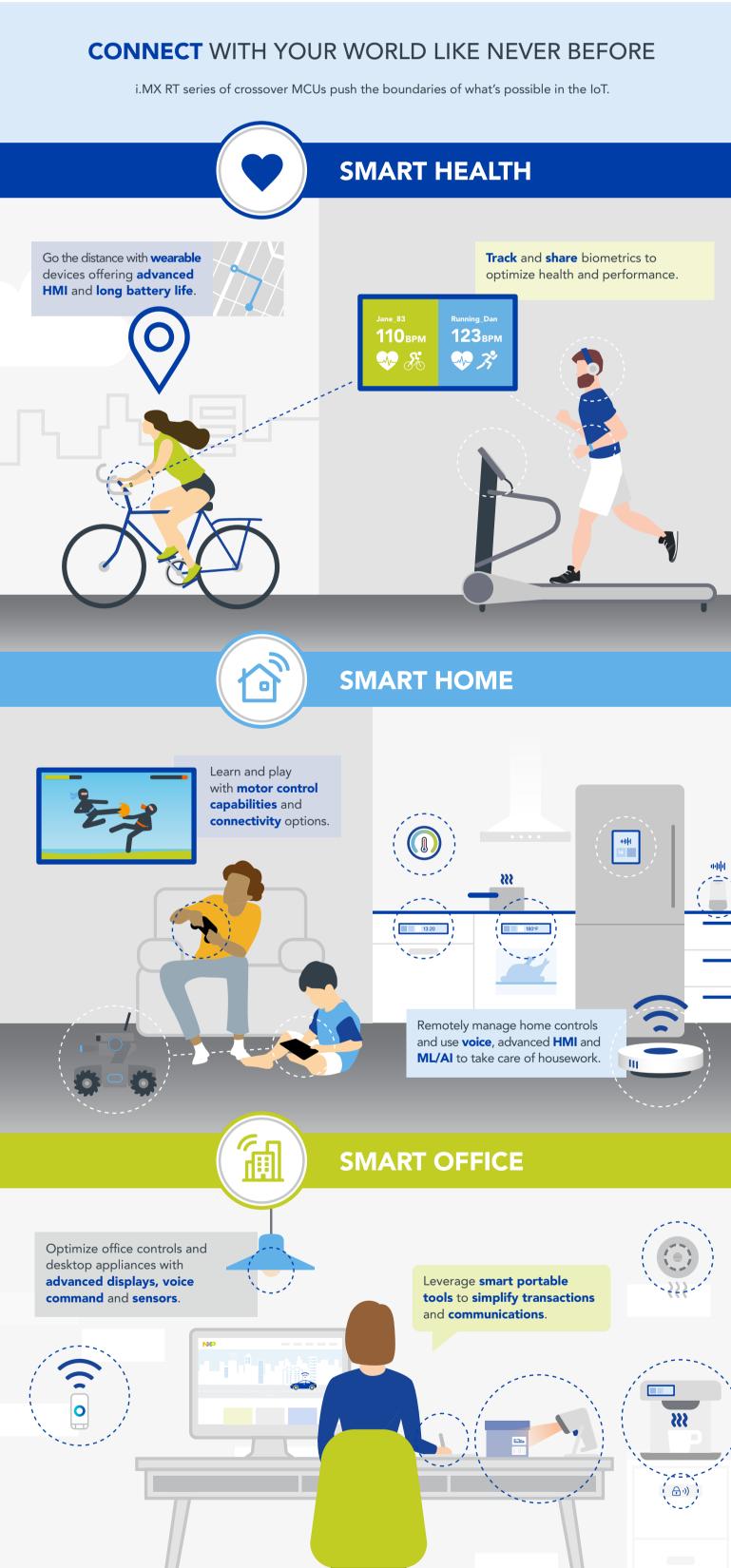
i.MX RT series architecture gives you flexibility to interface with multiple

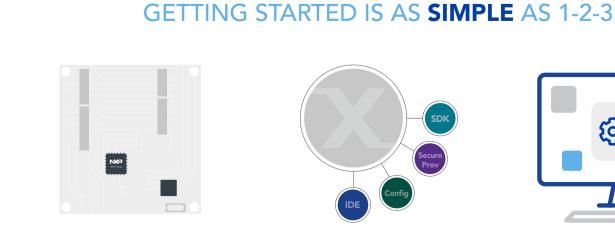
external memory types, including serial/parallel NOR, NAND and RAM, in addition to support for eMMC. This enables broad support of various options of memory densities, performance and power. The i.MX RT series also offers memory scalability by embedding large SRAM densities, including "zerowait," single-cycle access.



machine-to-machine or

human-to-machine - must be protected for confidentiality, integrity, and availability. The i.MX RT series, part of the EdgeLock Assurance program, is built on a foundation of secure boot, secure debug, and secure life cycle management designed to resist remote and local software attacks.





1 >>>>>>> **LAUNCH FASTER** WITH i.MX RT **EVALUATION KITS**

Take your design to the next level by reducing complexity and accelerating time to market with i.MX RT series robust enablement. Expand upon the i.MX RT series feature-rich EVK with compatible Arduino™ hardware shields.



WITH MCUXpresso SOFTWARE AND TOOLS Optimize, standardize and accelerate embedded system development of applications on NXP's Arm Cortex-M-based

MCUs with MCUXpresso

Software and Tools.



FUNCTIONALITY Leverage integrated DSPs for voice solutions, NXP's elQ[™] ML Software Development Environment for ML/AI, embedded graphics for innovative, next-generation HMIs and NXP EdgeReady voice control and face recognition

solutions to get to market fast.



www.nxp.com/iMXRT