



# i.MX 8M Nano Family – Arm® Cortex®-A53, Cortex-M7

## i.MX8MNANO

Last Updated: Apr 11, 2024

NXP's i.MX 8M Nano family of applications processors provide cost-effective integration and affordable performance for smart, connected, power-efficient devices requiring graphics, vision, voice control, intelligent sensing and general-purpose processing.

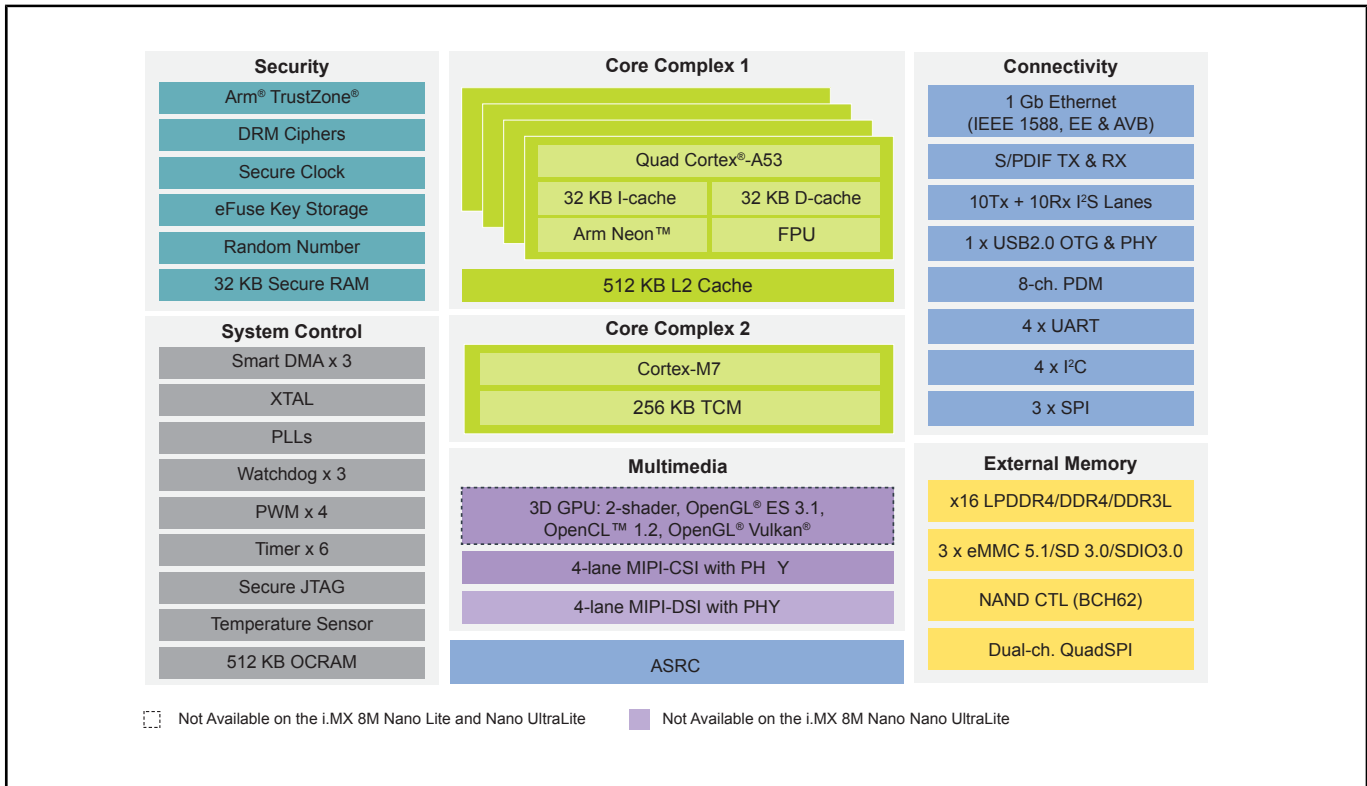
The i.MX 8M Nano family includes the i.MX 8M Nano UltraLite, i.MX 8M Nano Lite, and i.MX 8M Nano. Click on the below button to view the main family key features and differentiators:

### [Key Features and Differentiation](#)

Featuring up to 4x Arm® Cortex®-A53 cores and 1x Cortex-M7 core, the i.MX 8M Nano family of applications processors are pin-compatible, scalable offering to the popular i.MX 8M Mini applications processors. With commercial and industrial level qualification and backed by NXP's product longevity program, the i.MX 8M Nano family may be used in any general purpose industrial and IoT application.

i.MX 8 applications processors are part of NXP's EdgeVerse™ [edge computing](#) platform.

# i.MX 8M Nano Processors Block Diagram



View additional information for [i.MX 8M Nano Family - Arm® Cortex®-A53, Cortex-M7](#).

**Note:** The information on this document is subject to change without notice.

[www.nxp.com](http://www.nxp.com)

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2024 NXP B.V.