i.MX 8M Family - Arm® Cortex®-A53, Cortex-M4, Audio, Voice and Video

i.MX8M

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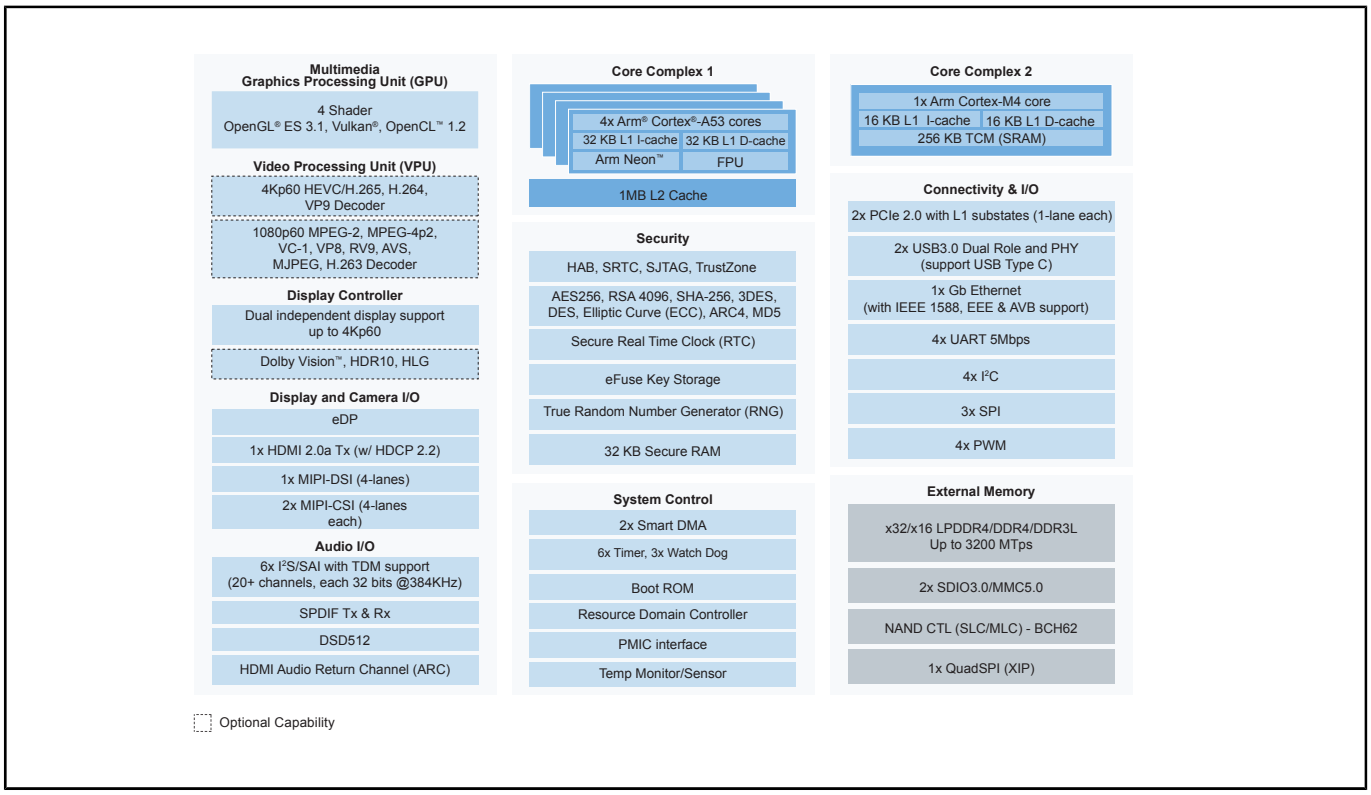
The i.MX 8M family of applications processors based on Arm® Cortex®-A53 and Cortex-M4 cores provide advanced audio, voice and video processing for applications that scale from consumer home audio to industrial building automation and mobile computers.

- Video quality with full 4K UltraHD resolution and HDR (HDR10 and HLG)
- Highest levels of pro audio fidelity with more than 20 audio channels each @384KHz
- DSD512 audio capability
- Optimized for fanless operation, low thermal system cost and long battery life
- Flexible memory options
- The newest high-speed interfaces for flexible connectivity
- Fully supported on NXP’s 10 and 15-year Longevity Program

i.MX 8 applications processors are part of NXP's EdgeVerse™ edge computing platform.

i.MX 8M Processors Block Diagram



View additional information for i.MX 8M Family - Arm® Cortex®-A53, Cortex-M4, Audio, Voice and Video.

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