

i.MX6DL: i.MX 6DualLite Processors - Dual Core, 3D Graphics, HD Video, Multimedia, ARM® Cortex®. A9 Core ☆

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The i.MX 6DualLite family introduces dual cores running up to 1.0 GHz with 512 KB of L2 cache and 64-bit DDR3 or 2-ch., 32-bit LPDDR2 support. Integrated PCI-e LVDS, MIPI display port, MIPI camera port and HDMI v1.4 makes the i.MX 6DualLite processor ideal for connected consumer, automotive and industrial applications requiring a high resolution and full-featured user interface.

The i.MX 6DualLite is supported by companion Freescale power management ICs (PMIC) [MMPF0100](#) and [MMPF0200](#).

Features

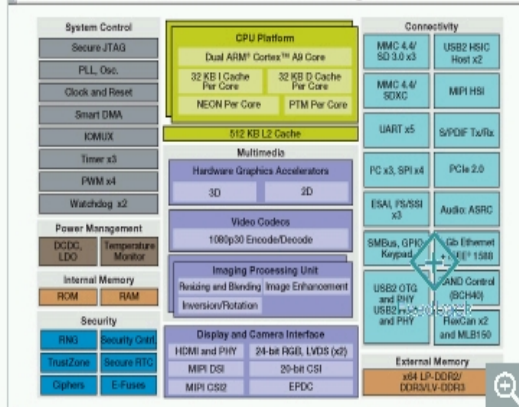
- ▶ CPU Complex
- ▶ Multimedia
- ▶ Memory
- ▶ Connectivity
- ▶ Display
- ▶ Advanced Power Management
- ▶ Security
- ▶ Package and Temperature

Related Products

[MMPF0100](#): 14 Channel Configurable Power Management IC
[MMPF0200](#): 12 Channel Configurable Power Management IC
[i.MX6D](#): i.MX 6Dual Processors - Dual Core, Advanced 3D Graphics, HD Video, Advanced Multimedia, ARM® Cortex®-A9 Core

[More](#)

i.MX 6DualLite Multimedia Processor Block Diagram



Energy Efficiency Quick Facts



- Optimized for high performance energy efficient processing in general embedded, automotive, industrial and consumer applications
- Includes up to four ARM® Cortex™-A9 cores, HD class video accelerator, Triple Play 3D/2D/VG accelerators, integrated PCI-e and SATA2

[More](#)

Featured Documentation

[IMX6SRFS8](#): i.MX 6 Series of Applications Processors - Fact Sheet
[IMX_INFCTR](#): i.MX Infocenter—Online Documentation

Featured Software and Tools

[PROCESSOR-EXPERT-IMX](#): Processor Expert for i.MX

Target Applications

- Automotive
- Consumer
- Industrial
- Medical/Healthcare

i.MX 6DualLite Family of Applications Processors block diagram Script

Featured Tools

[SABRE Platform for Smart Devices](#)
[i.MX 6 Series Software and Development Tools](#)

Featured Video



[i.MX 6 User Experience - Breaking Boundaries - Use Case](#)
 (02:37 min)

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 by Freescale's consumer experts