

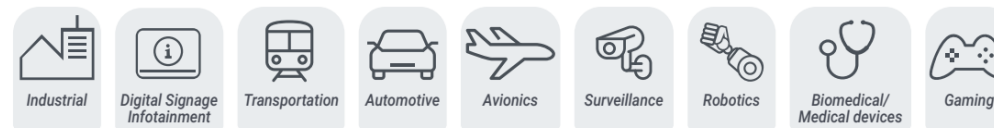
Based on NXP™ i.MX 6Solo, i.MX 6DualLite, i.MX 6Dual or i.MX 6Quad processor. The NXP i.MX 6 series of applications processors combines scalable platforms with broad levels of integration and power-efficient processing capabilities particularly suited to multimedia applications. Powerful graphics acceleration. Advanced hardware-enabled security.



HIGHLIGHTS

















- Scalable from single to quad core ARM Cortex-A9
- Multi-display driving capability
- Suitable for fan-less application with high-end graphics performances

APPLICATIONS



FEATURES



 CPU	NXP® i.MX 6 S/DL/D/Q	 PCIE	1x PCIe 2.0
 CORES	Up to 4x Cortex-A9 @800MHz	 USB	2x USB 2.0
 MEMORY	Up to 2GB DDR3-1066	 MASS STORAGE	SATA (Dual/Quad only), Nand Flash
 GRAPHICS	Up to 4 individual displays VPU, 2x IPU, OpenGL ES 2.0, BitBit, GPUVG, ASRC	 PERIPHERAL INTERFACES	UART, I ² C, SPI, JTAG, CAN, SDIO, PWM
 VIDEO INTERFACES	<ul style="list-style-type: none"> • Up to 2 parallel • Up to 2LVDS • HDMI 1.4 port • 8 bit CSI input 	 POWER SUPPLY	+5V DC
 VIDEO PROCESSING	Up to 1920x1200	 OPERATING SYSTEM	<ul style="list-style-type: none"> • Linux • Yocto • Android
 AUDIO	I ² S interface	 OPERATING TEMPERATURE*	<ul style="list-style-type: none"> • Extended Commercial • Industrial qualified
 NETWORKING	1x 10/100 Ethernet interfaces	 DIMENSIONS	32.1 x 67.6 mm

* Valid for all components except CPU. Customer shall consider junction temperature for CPU. Temperature will widely depend on application. Specific cooling solutions could be necessary for the final system.

i.Core MX6

BLOCK DIAGRAM

