

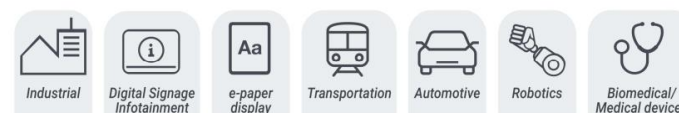
Ultra compact SOM based on NXP® i.MX 6ULL processor, the smallest module on the market (**25 x 25 mm, 3.5 mm in height**). It offers e-paper driving capability (EPD up to 2048x1536), LCD with up to WXGA (1366x768) resolution, and many other peripherals.



HIGHLIGHTS









- Ultra-small form factor SOM based on Cortex®-A7
- Single + 3.3V power supply- e-paper driving capability
- Suitable for MCU replacement








APPLICATIONS



FEATURES



	CPU	NXP® i.MX 6ULL
	CORES	Single-Core Cortex-A7 @ up to 900MHz
	MEMORY	Up to 1GB DDR3L @800MTs
	GRAPHICS	EPD, PXP to support 2D image processing including color-space conversion, scaling, alpha-blending, and rotation
	VIDEO INTERFACES	<ul style="list-style-type: none"> • 1x Parallel LCD • 1x EPD
	VIDEO PROCESSING	<ul style="list-style-type: none"> • Up to WXGA (1366x768) for LCD • Up to 2048x1536 for EPD
	AUDIO	I ² S interface
	NETWORKING	1x 10/100 Ethernet interfaces 1x RMII interface

	USB	<ul style="list-style-type: none"> • 1x USB HOST 2.0 • 1x USB OTG
	MASS STORAGE	Nand Flash
	PERIPHERAL INTERFACES	I ² C, SPI, PWM, UART,CAN Bus, SDIO, ADC
	POWER SUPPLY	+ 3,3V DC
	OPERATING SYSTEM	Linux
	OPERATING TEMPERATURE*	Extended or Industrial qualified
	DIMENSIONS	25 x 25 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.

BLOCK DIAGRAM

