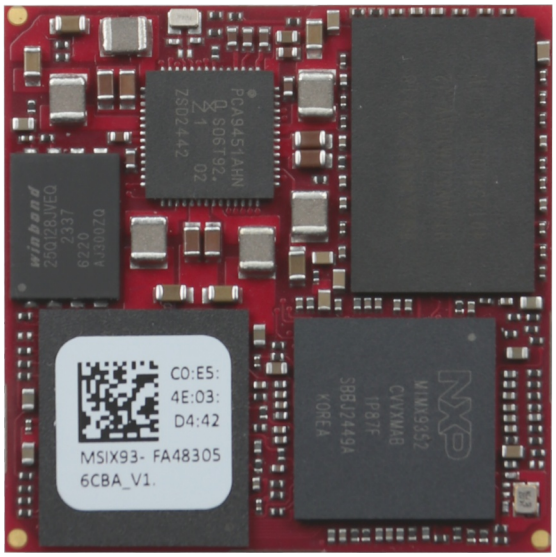
MSIMX93 System In Package

The MSIMX93 is the Open Standard Module compliant System-In-Package based on the NXP i.MX93 Family architecture offering high-performance Cortex-A55/Cortex-M33 core. The MSRZIMX93 combines compact design and a wide range of services, bringing low power consumption, thermal efficiency and low-cost to embedded systems.
The chosen OSM form factor supports 332 contacts, offers almost all of the CPU functionality on the contacts and is therefore suitable for most industrial applications.



MSIMX93 featureset:

- Single/Dual Cortex-A55, up to 1.7GHz
- Cortex-M33, up to 250MHz
- Arm® Ethos™ U-65 microNPU
- 512MB - 2GB LPDDR4 RAM
- 4GB - 64GB eMMC NAND Flash
- 128MBit - 1GBit SPI NOR
- dual 10/100/1000MBit Ethernet
- 2x USB2.0
- 2x CAN-FD
- UART, I2C, SPI
- ADC
- MIPI-DSI/RGB display port
- MIPI-CSI camera interface
- compliant to the SGET OSM standard
- size S, 30x30mm²
- pin count: 332
- commercial (0°C...+70°C) / industrial (-40°C...+85°C) temperature range

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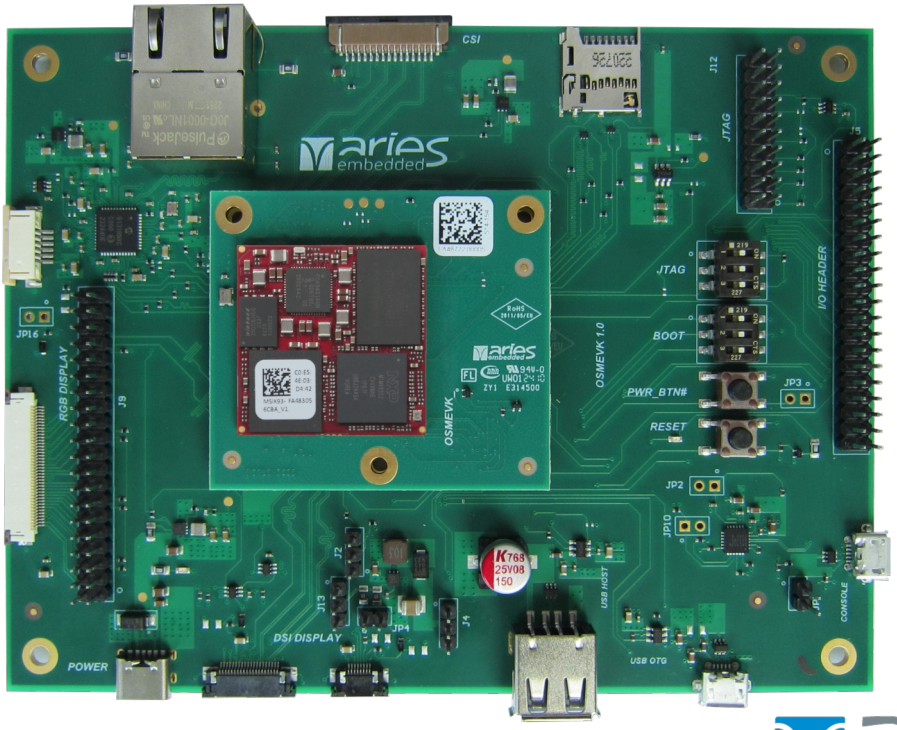
MSIMX93EVK Evaluation Kit

The MSIX93EVK is the flexible platform for a quick and smooth startup with your new MSIX93 System on Module, based on the OSM standard. Due to its functionality it supports developers for a quick startup, helps developing software and can also be used as a platform for rapid prototyping.

The baseboard supports SoMs which are compatible to the OSM specification as well as SoMs compliant to proprietary implementations. The evaluation system consists out of the

- MSIX93 SoM, hosting all memory and logic interfaces
- the adapter board, converting interfaces and/or voltage levels to the right value / direction so that the SoM functionality can be used on the baseboard
- the baseboard which hosts all components to provide the physical interface implementation and connectors



MSIMX93EVK featureset:

- MSIX93 OSM SoM
- Ethernet on RJ45 connector
- display on FPC connector or pin header
- USB Host on USB A connector
- USB OTG interface on USB microAB connector
- console interface on USB microAB connector
- UART on pin header
- CAN on pin header
- SPI on pin header
- I2C on pin header
- GPIO on pin header
- JTAG on pin header

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