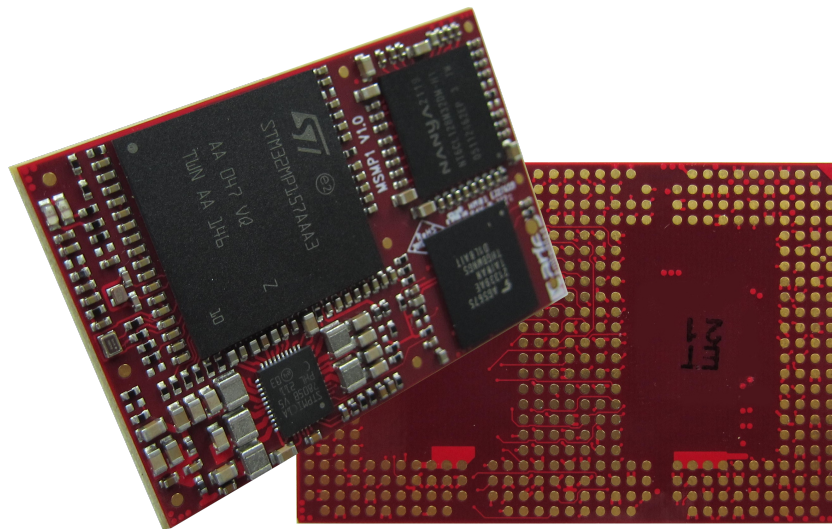


MSMP1 System In Package

The MSMP1 is the Open Standard Module compliant System-In-Package based on ST Microelectronics STMP1 Family architecture offering high-performance single/dual CortexA7 cores in combination with a CortexM4 core. The chosen OSM form factor supports 476 contacts, offers almost all of the CPU functionality on the contacts and is therefore suitable for most industrial applications.

In addition to a wide range of services, the MSMP1 modules also offer new functionalities in terms of flexibility and processing.



MSMP1 featureset:

- Single/Dual Cortex-A7, up to 800MHz
- Cortex-M4, up to 209MHz
- 512MB – 4GB DDR3L RAM
- 4GB – 64GB eMMC NAND Flash
- 10/100/1000MBit Ethernet
- USB2.0 Host/OTG
- 2x CAN
- UART, I2C, SPI
- ADC, DAC
- Parallel display port
- Camera interface
- compliant to the SGET OSM standard
- sizeM, 30x45mm
- 476 contacts
- commercial (0°C...+70°C) / industrial (-40°C...+85°C) temperature range



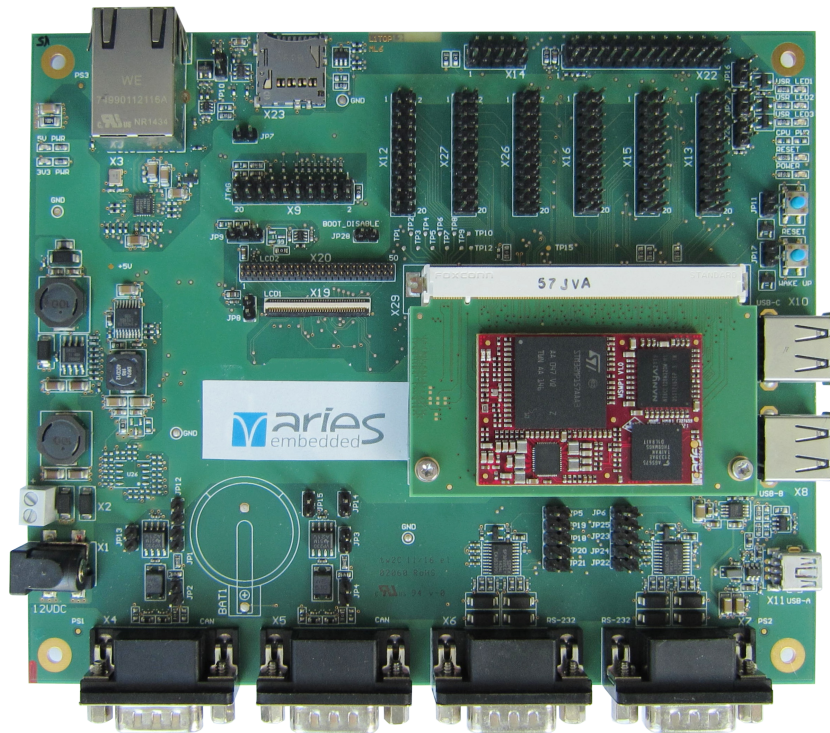
ARIES Embedded GmbH
Schöngesinger Str. 84
D-82256 Fürstenfeldbruck
Germany

Tel: +49(0)8141.36 367-0
Fax: +49(0)8141.36 367-67

www.aries-embedded.com
info@aries-embedded.de

MSMP1EVK Evaluation Kit

The MSMP1EVK offers a good functionality for evaluation the MSMP1 System-In-Package. As many customers target to use MSMP1 in an industrial environment the MSMP1EVK can easily be used as a platform for fast prototyping.



MSMP1EVK featureset:

- MSMP1 SiP
 - STM32MP157
 - Single/Dual Cortex-A7, up to 800MHz
 - Cortex-M4, up to 209MHz
 - 512MB LPDDR3 RAM
 - 4GB eMMC
- Ethernet 10/100MBit on RJ45
- Camera Port
- LCD Interface
- Dual UART on DSUB9
- Dual CAN on DSUB9
- USB Host
- USB Host/OTG
- microSD card slot
- JTAG
- size 165mm x 135mm
- commercial (0°C...+70°C) / industrial (-40°C...+85°C) temperature range



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