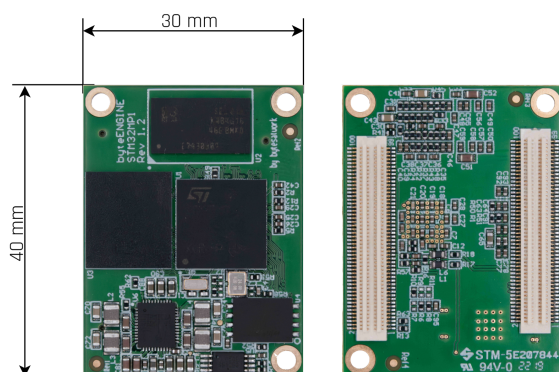


DIMENSIONS

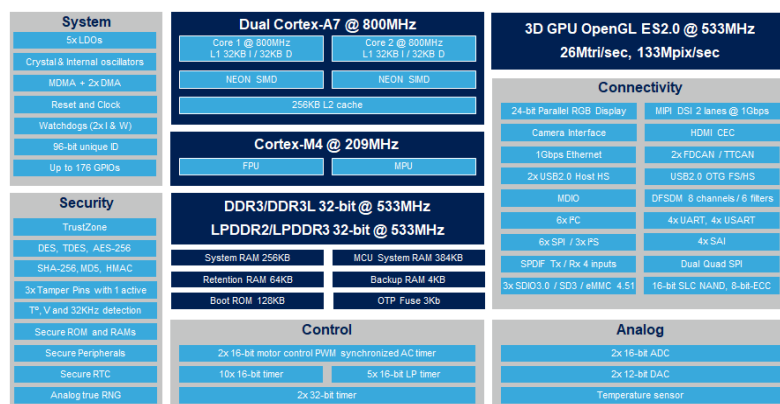


FEATURES

The byteENGINE STM32MP1x is a high performance industrial oriented computing module. It allows you a short time-to-market, reducing development costs and substantial design risks.

- Up to dual core ARM® Cortex®-A7 and Cortex®-M4 MCU
- Vivante® OpenGL® ES 2.0 (only STM32MP157)
- Small format, high performance
- Secure boot, TrustZone® peripherals

BLOCK DIAGRAM



YOUR CUSTOMIZED MODULE

Manufacturing customized module variants starting from small quantities is our strength. Contact us for a non-binding inquiry.

MODULE SPECIFICATION

CPU	Up to dual core ARM® Cortex® A7 of ST STM32MP1x CPU Family
Co-CPU	Cortex® M4 MCU 209 MHz
Frequency	Up to 800 MHz
Memory	512 MB to 1024 MB
Flash eMMC	up to 64 GB
Temperature	Industrial: -40 to +85° C , consumer: 0 to 85° C
Power	5.0 V, max. 2 W, typical 1 W
Dimensions	40 x 30 x 5 mm
Connector	2x 100 PIN
Software Support	Yocto Linux, Debian, Zephyr RTOS and more
Interfaces	UART, LCD, USART, Gbit Ethernet, USB
GPU	Vivante® OpenGL® ES 2.0
Display	24-bit parallel RGB Display (only STM32MP157)
Safety Features	Secure boot and TrustZone® peripherals
Longevity	Yes

USE CASES

- Factory Automation / PLC
- Industrial Gateway
- Industrial HMI
- Smart Thermostat



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Help

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Further Product Information

STM32MP1 Modules

