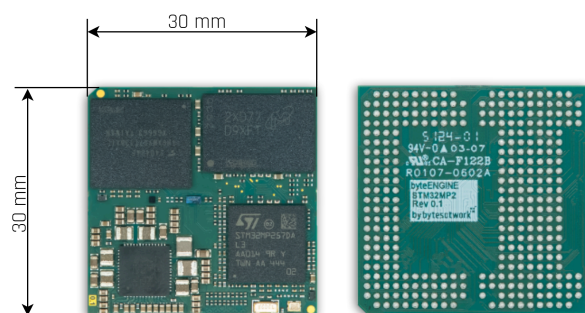


DIMENSIONS



USE CASES

- EV Chargers
- Edge AI Applications
- Advanced industrial HMI

BLOCK DIAGRAM



YOUR CUSTOMIZED MODULE

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

FEATURES

Step into the future: This module meets Industry 4.0 needs, enables advanced AI capabilities and supports high-end multimedia features. With its rich high-speed memory and advanced security features, you are ready to innovate without compromise.

- Single or Dual ARM Cortex®-A35 and Cortex®-M33 MCU
- Verisilicon GPU and NPU
- High-speed LPDDR4 memory interface.
- Small format, high performance.
- Advanced Security for Industry 4.0

MODULE SPECIFICATION

CPU	Single or Dual core ARM Cortex® A35 of ST STM32MP25 CPU Family
Co-CPU	Cortex® M33 MCU 400 MHz
Frequency	Up to 1.5 GHz
Memory	512 MB to 2048 MB LPDDR4
Flash eMMC	up to 128 GB
Temperature	Industrial: -40 to +85° C , consumer: 0 to 85° C
Power	5.0 V, max. 4 W, typical 2 W
Dimensions	30 x 30 x 3 mm
Connector	OSM-S Interface
Software Support	Yocto Linux, Debian, Zephyr RTOS and more
Interfaces	Ethernet, SPI, I2C, I3C GPIO, UART, CAN-FD, OctalSPI, USB ,
GPU / NPU	Verisilicon GC8000UL
Display	Dual Display support, 2K @ 60FPS
Safety Features	Prepared for functional safety applications
Longevity	Yes



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Help

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Further Product Information

STM32MP2 Modules

