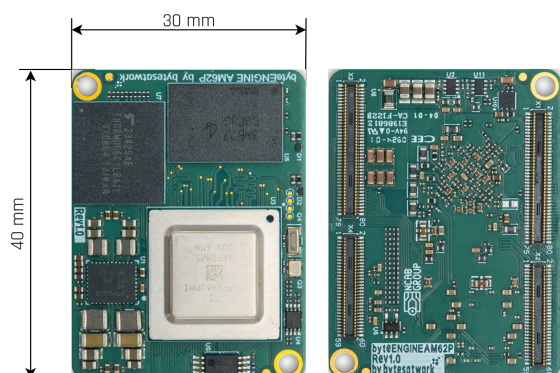


DIMENSIONS

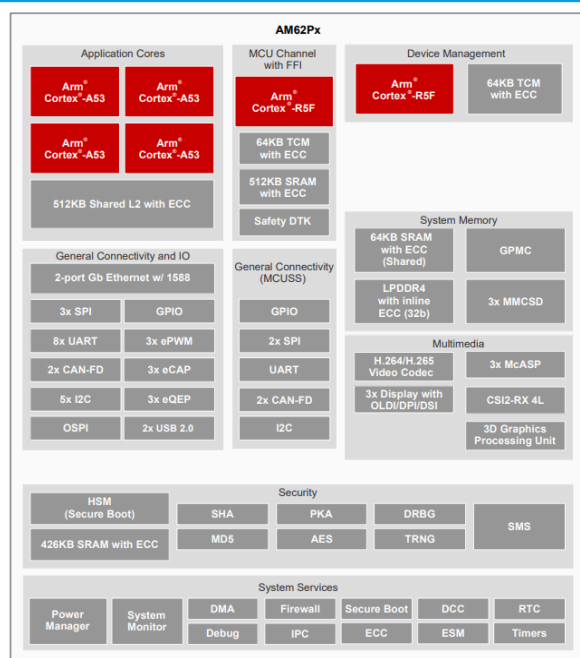


FEATURES

Excellent computing power, intuitive graphics processing and comprehensive connectivity make this system on module a pioneer for IoT and automation applications.

- Up to Quad core ARM Cortex®-A53 and Cortex®-R5F MCU.
- Powerful 3D Graphics Core with rich display capabilities.
- Flexible connectivity with extensive peripheral and networking options.
- Triple Display supported.
- High-speed LPDDR4 memory interface .
- Small format, high performance.
- Secure boot and hardware security module.

BLOCK DIAGRAM



USE CASES

- In-Vehicle infotainment
- Digital instrument clusters
- Grid infrastructure
- Industrial Automation
- Smart Home Devices

MODULE SPECIFICATION

CPU	Up to Quad core 64-bit ARM Cortex® A53 of TI AM62Px CPU Family
Co-CPU	Cortex® R5F MCU 800 MHz
Frequency	Up to 1.4 GHz
Memory	512 MB to 8192 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	40 x 30 x 3.5 mm
Connector	2x 80 PIN and 2x 60 PIN
Software Support	Yocto Linux, Debian, Zephyr RTOS and more
Interfaces	Ethernet, SPI, I2C, UART, USART, CAN-FD, USB, GPIO, JTAG, LVDS, OSPI, DSI, CSI
GPU	IMG BXS-4-6-4
Display	Triple Display support
Safety Features	Prepared for functional safety applications
Longevity	Yes

YOUR CUSTOMIZED MODULE

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



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Help

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Further Product Information

AM62Px Modules

