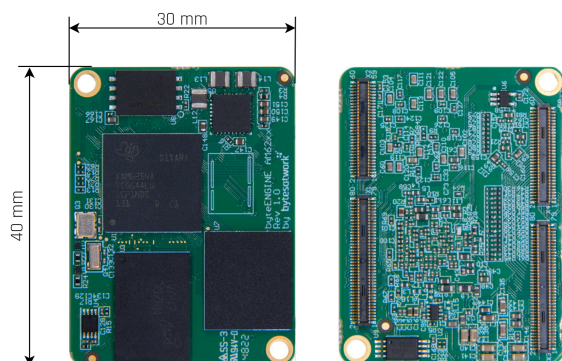


DIMENSIONS

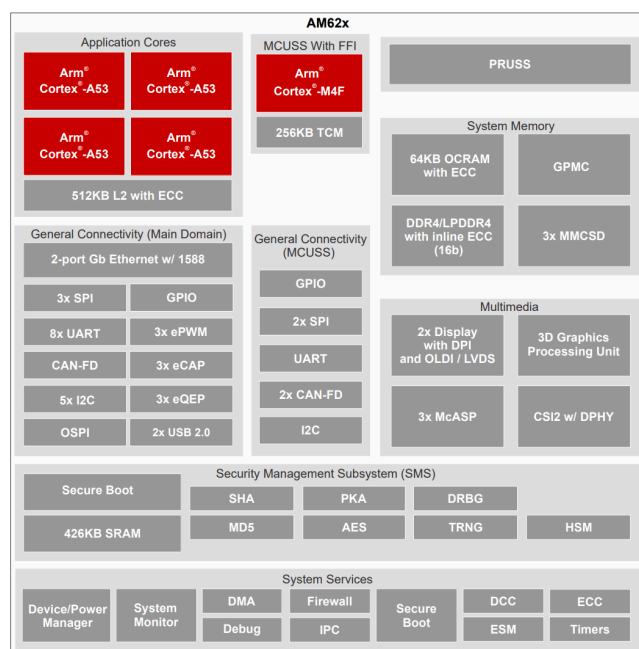


FEATURES

Industrial-grade reliability paired with a powerful 3D graphics core, high-speed memory, dual display interfaces and advanced security features to meet the needs of industry 4.0.

- Up to Quad core ARM Cortex®-A53 and Cortex®-M4F MCU
- Powerful 3D Graphics Core with rich display capabilities
- Flexible connectivity with extensive peripheral and networking options
- High-speed LPDDR4 memory interface.
- Small format, high performance.
- Secure boot and hardware security module.

BLOCK DIAGRAM



USE CASES

- Human Machine Interfaces (HMI)
- Medical equipment, Patient monitoring, Portable medical devices
- Appliance user interface and connectivity
- EVSE / Vehicle to Infrastructure (V2X)
- Industrial Gateway
- Industrial Automation
- Smart Meter

MODULE SPECIFICATION

CPU	Up to Quad core 64-bit ARM Cortex® A53 of TI AM62x CPU Family
Co-CPU	Cortex® M4F MCU 400 MHz
Frequency	Up to 1.4 GHz
Memory	256 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	40 x 30 x 4 mm
Connector	2x 80 PIN and 2x 60 PIN
Software Support	Yocto Linux, Debian, Zephyr RTOS and more
Interfaces	Ethernet, SPI, GPIO, UART, CAN-FD, I2C, OSPI, ePWM, eCAP, eQEP, US
GPU	IMG AXE1-16
Display	Dual Display support, 2K @ 60FPS
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

AM62x Modules

