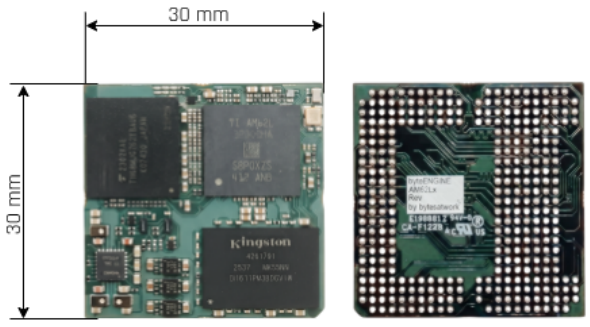
FactSheet

byteENGINE AM62L

industrial computing module

bytesatwork

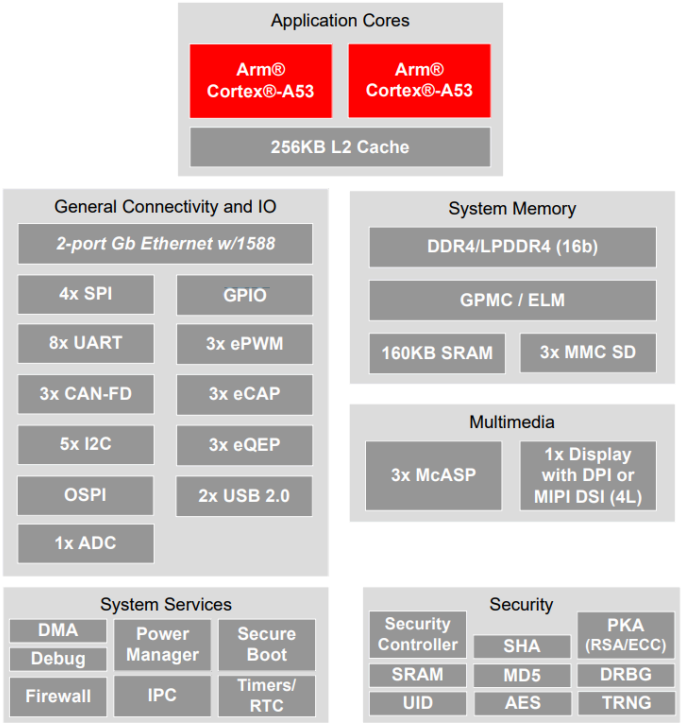
DIMENSIONS



USE CASES

- Human Machine Interface (HMI)
- Medical - patient monitoring
- Building automation
- EV charging stations
- Solar energy
- Energy infrastructure

BLOCK DIAGRAM



YOUR CUSTOMIZED MODULE

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

FEATURES

This system on module combines optimized performance with extensive peripheral support including modern display interfaces. Thanks to its integrated security options and the attractive cost structure, the module is well suited for a broad spectrum of industrial and embedded applications.

- Single or Dual ARM Cortex®-A53
- Cost-effective architecture
- High-speed LPDDR4 memory interface
- Small format, high performance
- OSM-S standard

MODULE SPECIFICATION

CPU	Single or Dual core ARM Cortex® A53 of TI AM62L CPU Family
Frequency	Up to 1.25 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. 2.5 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, SDIO, I2C, OSPI, GPIO, UART, CAN-FD, USB, DSI
Display	4-lanes MIPI-DPHY
Safety Features	Prepared for functional safety applications
Longevity	Yes

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Further Product Information
AM62L Modules

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