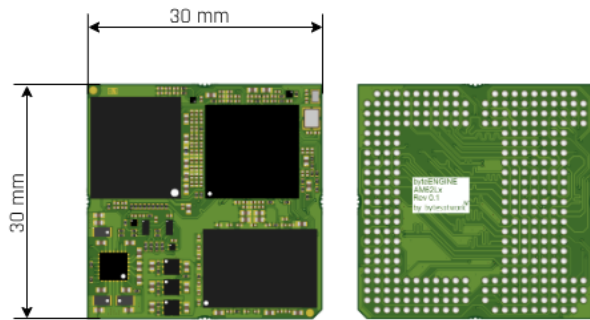


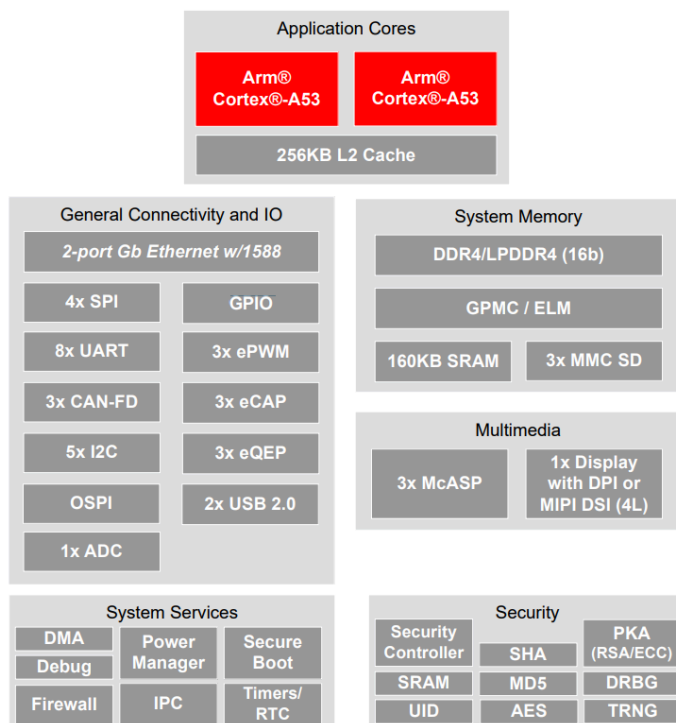
## DIMENSIONS



## 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

<b>CPU</b>	Single or Dual core ARM Cortex® A53 of TI AM62L CPU Family
<b>Frequency</b>	Up to 1.25 GHz
<b>Memory</b>	512 MB to 2048 MB LPDDR4
<b>Flash eMMC</b>	up to 128 GB
<b>Temperature</b>	Industrial: -40 to +85° C , consumer: 0 to 85° C
<b>Power</b>	5.0 V, max. 2.5 W, typical 2 W
<b>Dimensions</b>	30 x 30 x 3 mm
<b>Connector</b>	OSM-S Interface
<b>Software Support</b>	Yocto Linux, Debian, Zephyr RTOS and more
<b>Interfaces</b>	Ethernet, SPI, SDIO, I2C, OSPI, GPIO, UART, CAN-FD, USB, DSI
<b>Display</b>	4-lanes MIPI-DPHY
<b>Safety Features</b>	Prepared for functional safety applications
<b>Longevity</b>	Yes



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## Help

bytwiki.readthedocs.io



## Further Product Information

AM62L Modules

