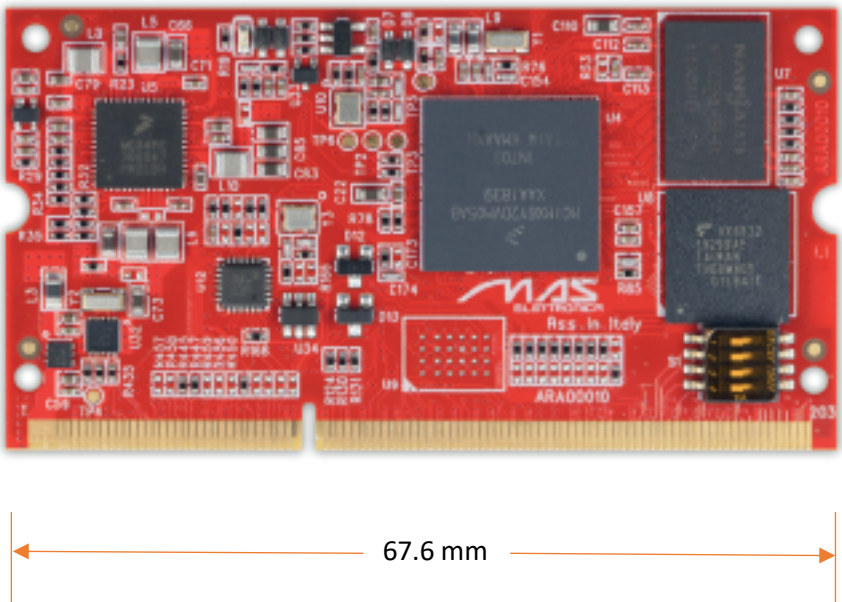


**CPU Aura** i.MX6UL / i.MXUULL  
i.MX6ULZ



36.85 mm

**Processor:**  
Freescale iMX6ULL Cortex A7

**Software:**  
LINUX, Yocto



Linux

yocto  
PROJECT

**Applications**

• Medical



• Cloud



• Industrial



**CPU AURA iMX6UL Module**

The AURA CPU is i.MX6UL/ULL/ULZ general purpose system on module designed to work in Industrial, Automotive and consumer environment.

The AURA CPU is a designed in a Sodimm form factor in order to have the lowest price/performance feature. Sara carrier board is the perfect match for a complete SBC.

**CPU Aura** i.MX6UL / i.MXUULL  
i.MX6ULZ

## Feature of the CPU Module:

The AURA CPU is the system on module based on NXP iMX6UL family that integrate the following Peripherals / functions:

- ◆ NXP iMX6UL, i.MX6ULL, i.MX6ULZ Application processor
- ◆ 256 MiB, 512 MiB or 1GiB of DDR3L Memory
- ◆ 4/8/16 GB of eMMC Flash
- ◆ Real Time Clock
- ◆ LCD Interface (24Bit) (Optionally can be configured as General Purpose TTL 3V3 I/O)
- ◆ 3 Analog Input
- ◆ General Purpose I/O
- ◆ 6 UART Serial Port TTL 3V3 (RX-TX)
- ◆ 2 CAN Port TTL 3V3 with Driver Enable I/O
- ◆ 2 I2C Bus TTL 3V3
- ◆ 2 SPI Bus TTL 3V3
- ◆ SDIO Bus TTL 3V3
- ◆ I2S Bus
- ◆ 1 USB OTG Port
- ◆ 1 USB 2.0 Port
- ◆ 1 10/100 Ethernet Port with Physical on Board
- ◆ 1 /10/100 Ethernet MAC Port

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### AURA CPU Operating System

- ◆ LINUX Kernel Version 4.1.15 or later build with YOCTO

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### Absolute Max Rating

- ◆ Vin 5V Dc +/- 5%
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