

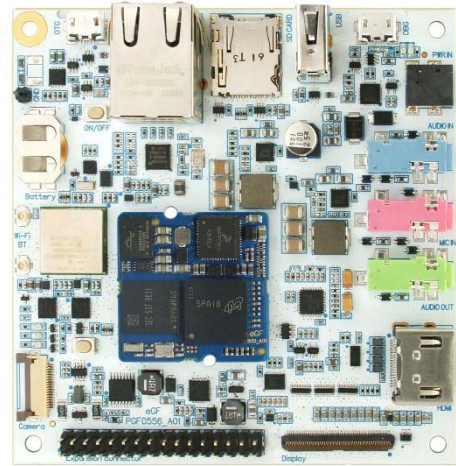
# 3AT1025

EVB for **Q29** SoM based on **i.MX6** processor in  
Package on Package (PoP)

## FEATURES

- Support all Q29 series SOM
- Complete and flexible solution
- Designed to highlight Q29 series SOM modules features
- Designed to speed up and simplify Q29 based product development
- Low power consumption in stand by
- Small footprint only 90mm x 90mm

**elettronica GF**  
custom embedded devices



## CPU

- NXP i.MX6 Application processor  
Dual / Quad Core ARM® Cortex® - A9 CPU
- CPU Frequency: 800 MHz

## MEMORY

- Up to 2GB LPDDR2

## STORAGE / BOOT

- Up to 64 GB eMMC
- SPI FLASH 8 MB (up to 64MB on request)
- microSD card slot

## I/O PERIPHERALS

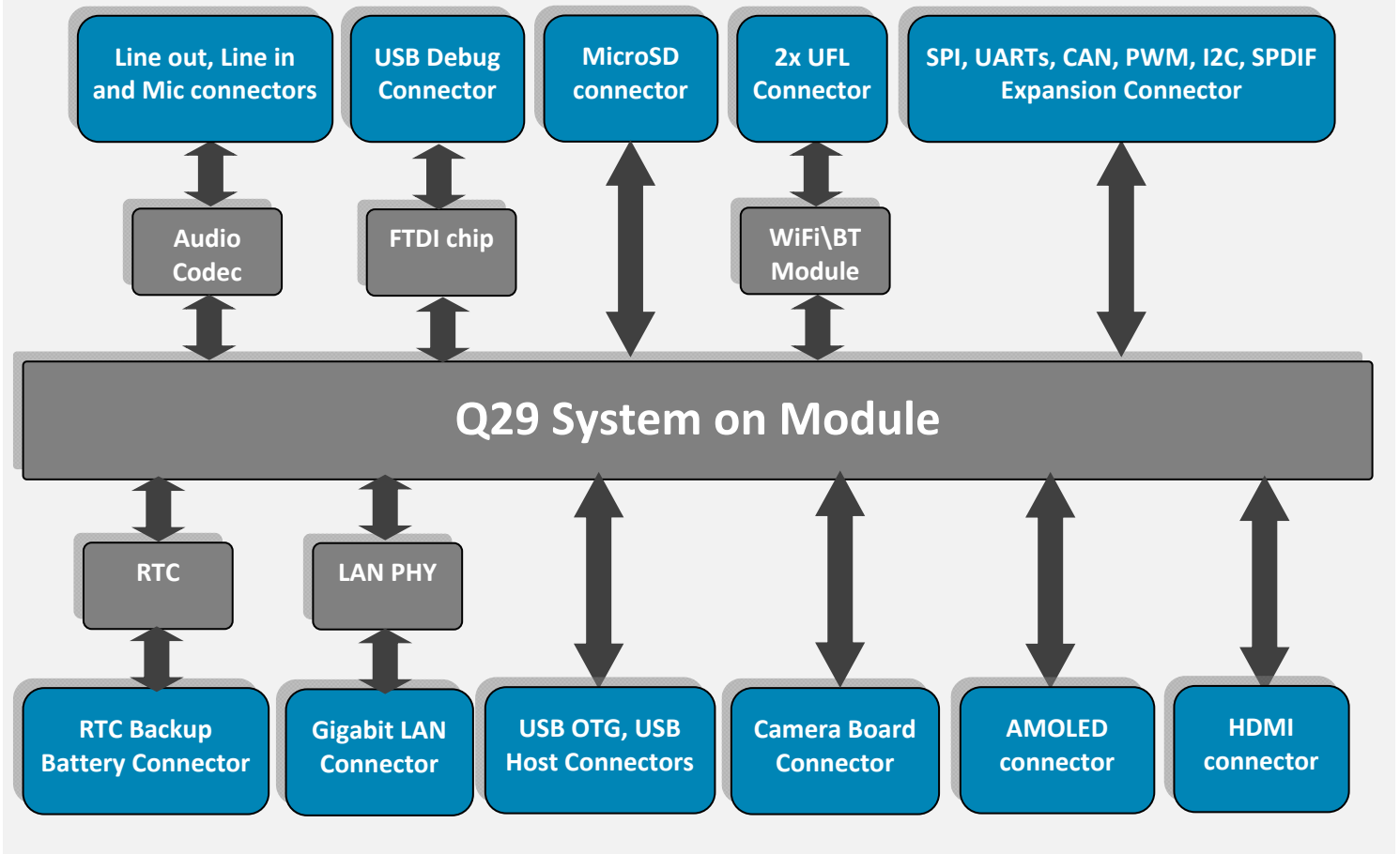
- 1 x USB 2.0 OTG port
- 1 x USB 2.0 Host port
- 1 x USB Debug port
- 1 x Ethernet 1Gbps
- WiFi / BT module on board
- MIPI camera connector for provided camera board
- 1 x HDMI display connector
- 1 x AMOLED display connector for provided display
- Microphone, line in and audio out connector on board
- SPDIF input and output
- RTC with backup battery
- 1 x FLEXCAN BUS Interface
- 2 x UART TTL Level
- 1 x I2C Interfaces
- 1 x SPI Interfaces
- GPIOs available
- 2 x PWM outputs
- 12V power supply input

## OPERATING SYSTEMS

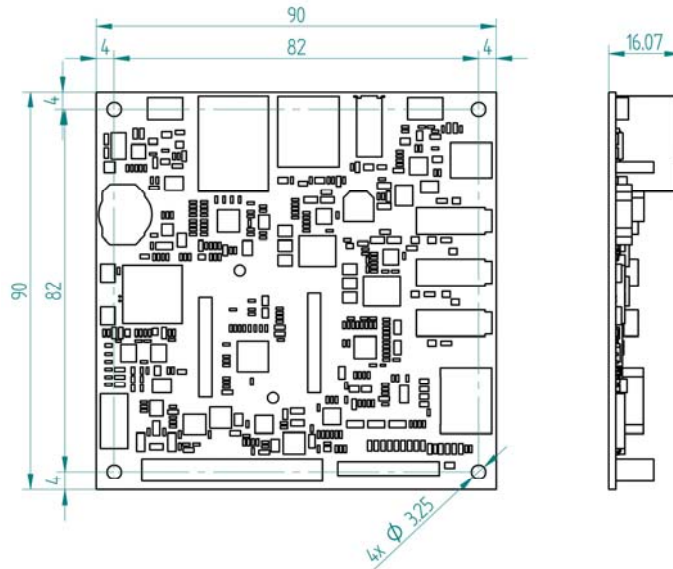
- Linux



**BOARD DIAGRAM**



**DIMENSIONS**



All dimensions are in mm

**Standard ordering code**

Ordering Code	Description
3AT1025_A01	EVb for SoM Q29 based on NXP i.MX6 processor*

\* SoM included: 3SM2002A1B1.0

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