

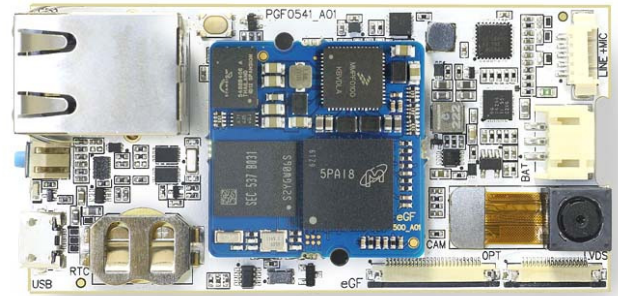
3AT1020

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 for mobile WiFi camera applications
- Low power consumption in stand by
- Small footprint only 39mm x 79mm

elettronica GF
custom embedded devices



Actual size

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 4 MB (up to 64MB on request)

I/O PERIPHERALS

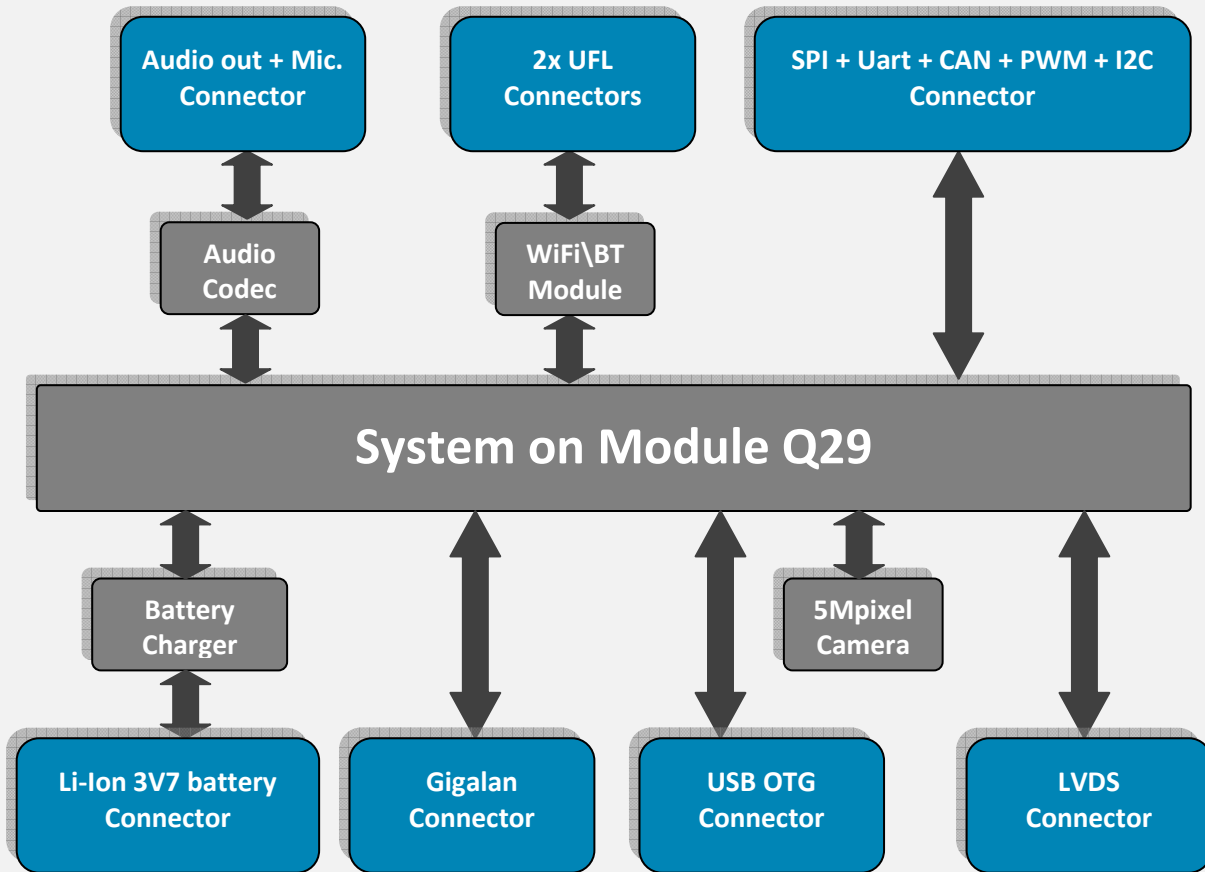
- 1 x LVDS
- 1 x USB 2.0 OTG
- 1 x Ethernet 1Gbps
- WiFi\BT module on board
- 5Mpixel Camera on board
- Microphone and audio out connector on board
- 1 x FLEXCAN BUS Interface
- 2 x UART TTL Level
- 2 x I2C Interfaces
- 1 x SPI Interfaces
- RTC with backup battery
- GPIOs available
- Integrated battery charger for single cell Li-Ion batteries
- Supports standard USB power supply adapters
- Power consumption in stand by 8mA (with 4V2 battery voltage in standard configuration)

OPERATING SYSTEMS

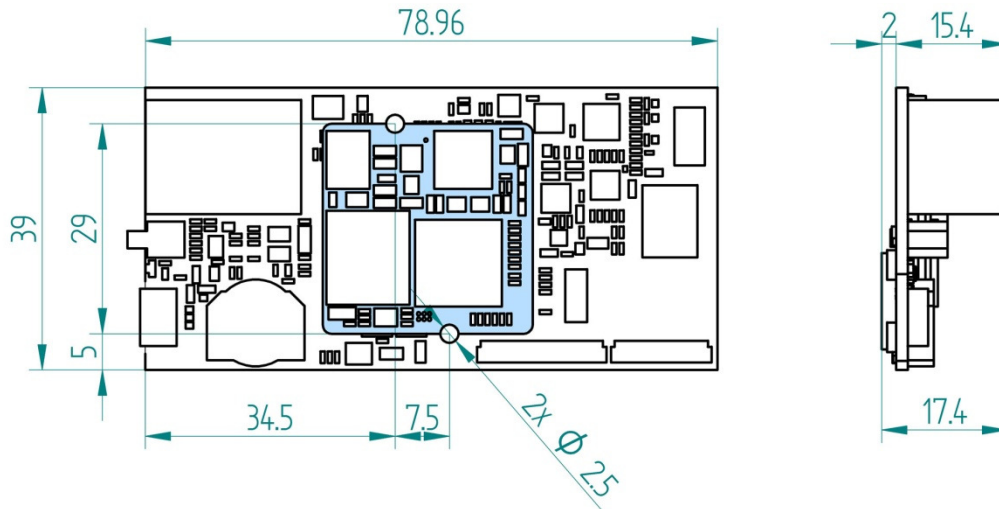
- Linux



BOARD DIAGRAM



DIMENSIONS



All dimensions are in mm

Standard ordering code

Ordering Code	Description
3AT1020_A01	EVB for SoM Q29 based on NXP i.MX6 processor*

* SoM included: 3SM2002A1B1.0