

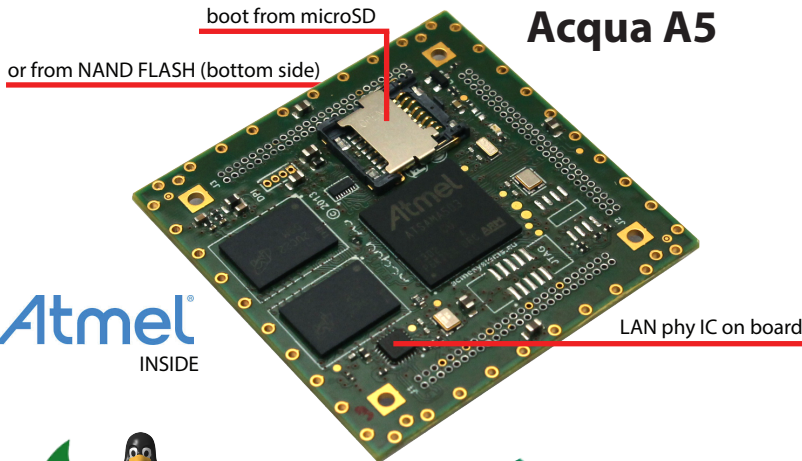
Acqua A5

Prices starting from
49 EUR Q.ty 1

Cortex A5 @ 536 MHz low cost System on Module

Acqua A5 is a low cost System-on-Module (SoM) thought of to reduce development time drastically in the design of low-power and low-EMI Linux Embedded devices. The more complex hardware like CPU, RAM, Ethernet, power and EMI components, is integrated on a single module in just 53x53 mm (2.09x2.09 inches) using a complex PCB with 10 layers permitting hardware designers to create their carrier board on simple and cheap PCBs with few layers.

Acqua A5



Key features

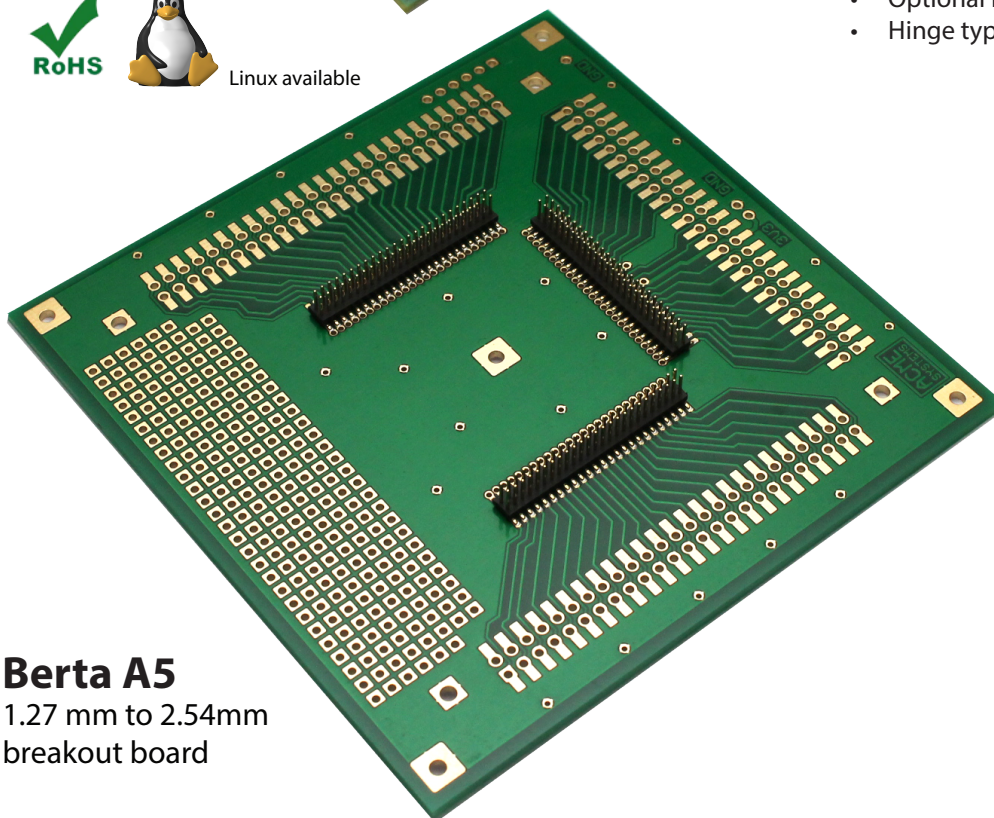
- **Atmel SAMA5D3x MPU** Cortex-A5@536MHz
- 256MByte or 512MByte DDR2 RAM (32bit)
- 10/100 Mbit Eth I/F (with MAC address chip)
- Boot from microSD or NAND FLASH
- Low power consumption, low EMI
- Temp. range: -40 +85 °C
- Size: 53 x 53 mm (2.09x2.09 inches)
- Weight: 14g
- RoHS compliant
- Three 50-pin connectors pitch 1.27 mm
- Single power supply at 3.3 Volt
- Optional metal shield for harsh environment
- Hinge type microSD memory holder

Exposed signals

- 10/100 Mbit Ethernet I/F
- RGB I/F @ 24 bit for LCD TFT
- Touch panel I/F
- TWI (up to 3)
- GPIO (up to 120)
- 3 ch Timer counter (up to 2)
- Serial (up to 6)
- 3 USB Host, 1 USB device
- Ext Memory Card I/F (HSMCI)
- ITU-R BT 601/656 image sensor I/F
- A/D @ 12 bit (up to 12)
- PWM (up to 6 ch)
- SSC-I2S (up to 2)
- CAN I/F (up to 2)
- JTAG
- Debug port
- Battery input for internal RTC
- Programmable clocks (up to 3)

Berta A5

1.27 mm to 2.54mm
breakout board



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ACME SYSTEMS SRL

Linux Embedded boards & modules

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