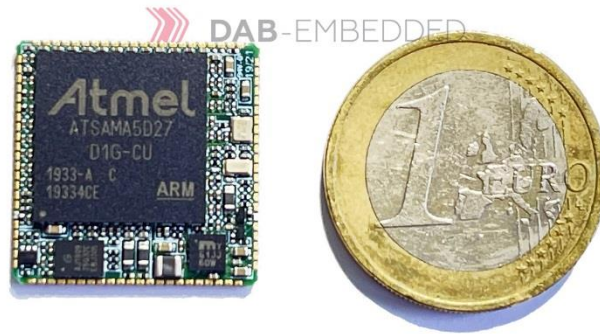Ultra small System on Module with Linux OS - **HaneSOM**

Highlights

- 500MHz ARM Cortex-A5 core with NEON engine
- 128MBytes DDR2 memory integrated
- 4 MBytes of QSPI Flash integrated
- Ultra-low power module

Overview

SOM was designed by DAB-Embedded company, RnD company provides solutions for customers in various domains.
The Hane SOM module is the ideal solution for low-power or battery-based systems with Linux OS requirements.

The heart of the HaneSOM is Microchip SAMA5D2 MPU with ARM(R) Cortex-A5 core (including NEON instruction set) running at 500MHz clock speed.
Board has everything on board to run Linux OS and the minimal requirement is only 3.3V power supply.

Key features:

- ARM CPU, Cortex-A5, 500MHz
- Memory: 1Gbit DDR2, 32Mbit QSPI Flash (onboard)
- TFT LCD display with capacitive touch screen support;
- microSD card interface and WiFi SDIO interface;
- RGB camera interface support;
- USB 2.0 High speed host port and device interface;
- Ethernet 10/100Mbit MAC
- Number of interfaces: SPI, I2C, UART, CAN bus with FD support
- Audio interface like I2S or TDM
- Linux OS BSP, Windows® Compact 2013 BSP, Bare-metal BSP