



Supports you in the rapid development of embedded applications.

- ▶ Proven Cortex-A8 processor from Texas Instruments with 600 MHz
- ▶ Optimized performance for industry and multimedia
- ▶ Compatible with other modules from the DHCOM family thanks to SODIMM-200 socket
- ▶ Guaranteed long-term availability according to processor manufacturer's specifications

Technical Data

Board type	Pluggable SOM
5-Cent Cooling available	✘
CPU details	1x ARM Cortex®-A8 up to 600 MHz
CPU type	Cortex-A8
Co-processor available	✘
Number of cores	tbd.
GPU available	✘
DDR2 DRAM	128 / 256 / 512 MB

SLC-NAND flash	0 / 128 / 256 / 512 / 1024 MB
E2Prom	128 Byte
microSD available	✓
External RTC available	✓
Bluetooth available	✗
BSP	Linux (Debian, Yocto)
Debug interface	JTAG interface on module
Power supply	3.3 or 5 VDC
Typ. power consumption	1.4 W
Operating temperature	-40 to +85 °C
Storage temperature	-40 to +85 °C
Dimensions	67.6 x 36.7 x 8.1 mm

SODIMM-200 socket

Bus interface	16 Bit
Ethernet 1	10 / 100 Mbit/s
Ethernet 2	-
MMC/SD	4 Bit mode
CAN 1	1 Mbit/s
CAN 2	-
UART 1	up to 3.6 Mbit/s
UART 2	Rx / Tx / Rts / Cts, up to 3.6 Mbit/s
UART 3	Rx / Tx, up to 3.6 Mbit/s

SPI 1	48 MHz
SPI 2	48 MHz
I2C 1	3.4 Mbit
I2C 2	3.4 Mbit
USB host 1	High-speed
USB host 2	High-speed
USB OTG	High-speed
Camera	10 Bit
Display RGB	24 Bit
Display LVDS	-
Touch	4-wire
Audio	Microphone, line-in, headset
Number of GPIOs	23
PWM output	1 PWM out, 16 Bit
Analog inputs	1 Analog in, 10 Bit, SAR converter

Block Diagrams

DHCOM AM35

