



Low cost module for professional use in industrial environment.

- ▶ Proven ARM926EJ-S processor with 400 MHz
- ▶ Suitable for industrial and building automation applications
- ▶ Compatible with other modules from the DHCOM family thanks to SODIMM-200 socket
- ▶ Guaranteed long-term availability until 2024

Technical Data

Board type	Pluggable SOM
5-Cent Cooling available	✘
CPU details	1x ARM926EJ-S @400 MHz
CPU vendor	NXP
CPU type	ARM926EJ-S
Co-processor available	✘
Number of cores	tbd.
GPU available	✘

DDR2 DRAM	64 / 128 MB
SLC-NAND flash	0 / 128 / 256 / 1024 MB
E2Prom	128 Byte
microSD available	✓
External RTC available	✓
BSP	Linux (Debian, Yocto)
Debug interface	JTAG interface on module
Power supply	3.3 or 5 VDC
Typ. power consumption	0.75 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
UART 1	fully functional, up to 4 Mbit/s
UART 2	Rx / Tx / Rts / Cts, up to 4 Mbit/s
UART 3	Rx / Tx, up to 4 Mbit/s
SPI 1	16 MHz

SPI 2	16 MHz
I2C 1	400 kbit/s
I2C 2	400 kbit/s
USB host 1	Full-speed
USB host 2	-
USB OTG	High-speed
Camera	8 Bit
Display RGB	16 Bit
Display LVDS	-
Touch	4-wire
Audio	-
Number of GPIOs	21
PWM output	1 PWM out, 16 Bit
Analog inputs	4 Analog in, 12 Bit SAR

Block Diagrams

