Premium Developer Kit

The Premium Developer Kit for all pluggable DHCOM modules.
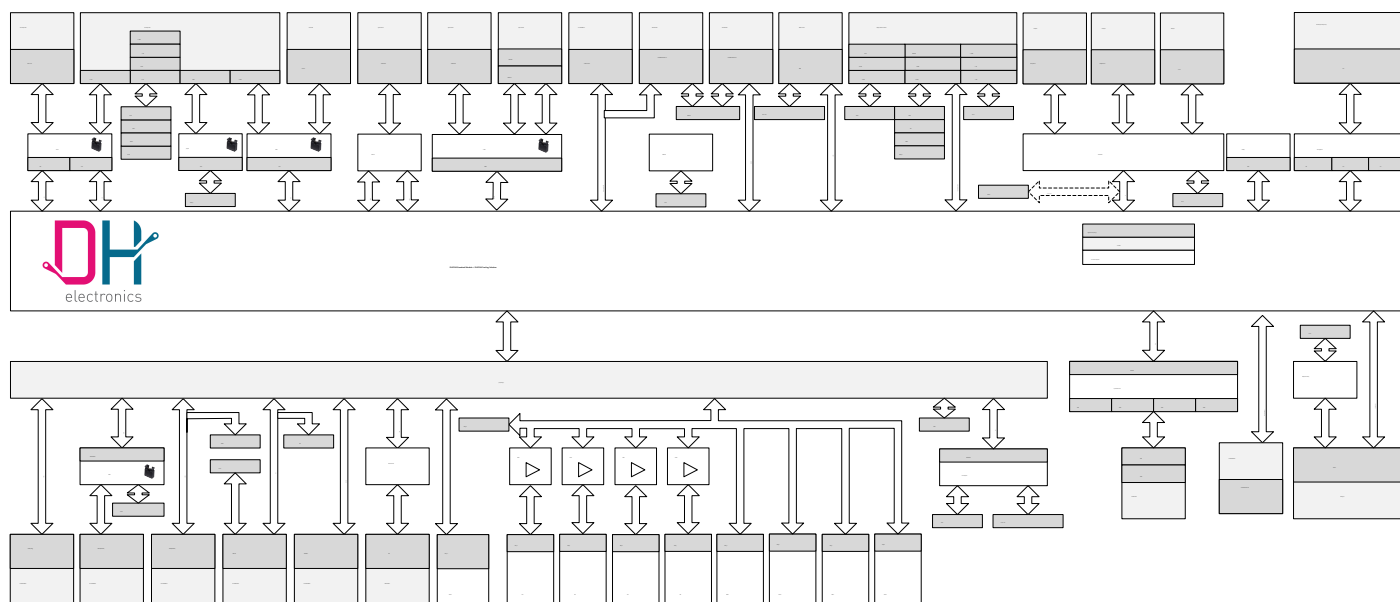
▶ Reference design for DHCOM modules, circuit diagram is available

▶ Signals can be separated and measured by jumper

▶ All interfaces of the DHCOM family concept are connected on board and available externally

▶ DHCOM 5-cent cooling solution is integrated on board

▶ Display Connector for the possibility to adapt a customer specific display

▶ Integrated measurement amplifier to determine the current consumption of the DHCOM module

▶ Integrated audio codec

Technical Data

Board type	Development Board
5-Cent Cooling available	✔
Ethernet	2x 100 Mbit/s 1x 1 Gbit/s
USB	USB host: 3x USB 2.0 high-speed USB OTG: 1x USB 2.0 high-speed
UART	1x RS232, 2x TTL

Premium Developer Kit

CAN	1x integrated transceiver
I2C	2x
SPI	2x
SDIO/SD/MMC	tbd.
Analog audio	1x line in, 1x mic in, 1x headset out
Digital audio	1x I2S (tbd.)
Camera	1x MIPI CSI-2
PCIe	1x Mini PCIe
Serial ATA	1x mSATA
Bus interface	16 Bit
Number of GPIOs	23
Analog input	4x
LEDs	4x userdefined
BSP	Linux
Power supply	24 VDC
Operating temperature	0 to 70 °C
Storage temperature	0 to 70 °C
Dimensions	208.5 x 185.5 x 27 mm
Display interface connector	connector for DHDIB standard with touch, PWM, I2C, SPI, UART, GPIO, USB host, RGB and LVDS (dual channel)
Core module connector	SODIMM-200 Socket for DHCOM, Molex High-Speed Socket for DHCOM

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Block Diagrams

Configurations

Item Number	Model (other configurations on request)	Product description
FD00034	DHCOM Premium Developer Kit 2 für DHCOM-D2 Module	-

* Other configurations on request

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Datasheet
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