

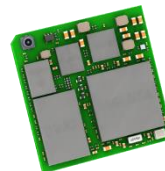
Press Release



Light&Building 2018
For immediate release

Wireless cloud access with i.MX6UL(L):

Low-energy SOM with <1W Power consumption



DHCOR i.MX6UL(L):
Only 29x29x3.2 mm³!

The DHCOR i.MX6UL(L) is a cost-effective, 15 years long-term available SOM (System-on-Module) using the SODIMM-200 standard. Its main functions are performed by a DHCOR i.MX6UL(L) solder-on micromodule which measures only 29x29x3.2 mm³!

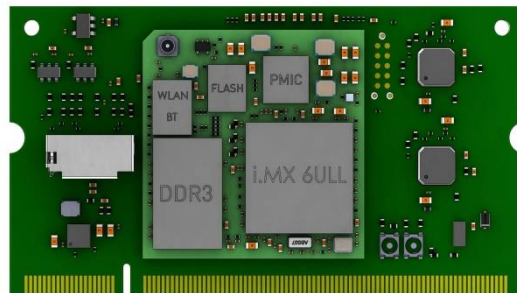
Especially remarkable is the ultra-low power consumption of the single Cortex-A7 based NXP i.MX6 UltraLite processor of typically less than one Watt. The CPU can be run with a clock frequency of up to 900 MHz. Up to 1 GB of soldered DDR3 Memory can be populated onboard. Other features include support of eMMC or SLC NAND Flash Memory, dual 100 Mbit Ethernet and two CAN interfaces. On top of standard embedded features like temperature compensated Real-Time-Clock (RTC), two SPIs, UART and I2C-interfaces, the SOM comes with separate USB 2.0 OTG and host ports, two analog ports, PWM, nine GPIOs and an 8-bit parallel camera-interface. Its display-interface has been implemented as an 18-bit RGB port with an HD resolution of 1366x768 pixels and it is complemented by a 4-wire touch interface.

The integrated Murata HF module supports Bluetooth and/or WLAN plus an U.FL antenna connector directly on the module, which is an extra benefit in this device class.

The low power consumption qualifies the SOM well for use in closed housings and problematic locations. It can be used in DIN-Rail devices and narrow mounting places, too. While the integrated wireless interfaces make it a perfect IoT edge or end device, two 100 Mbit Ethernet interfaces enable lots of wired networks applications as well.

DH electronics supports the Linux distributions Debian and Yocto for its modules. On demand, DH electronics can assign dedicated support partners for personal care-taking on projects. This is a well working remedy to shorten product development times dramatically.

DH electronics' SOMs are characterized by high flexibility and wide scalability across different computing platforms. With application-specific carrier boards, practically all fieldbuses available on the market can be operated. Turnkey pre-integrated packages are currently available for CAN and LON. The actual computer core, the DHCOR i.MX6UL (L) micromodule, even fits in in-wall mounting boxes when the base boards are designed accordingly.



DHCOM i.MX6UL(L)

About DH electronics:

DH electronics is based in Upper Bavarian Bergen/Chiemsee. The company is specialized in embedded systems and offers standard products as well as customer specific solutions. DH offers one-stop-shopping to its customers. This covers the full development and manufacturing process: From concept development to production, logistics, support and life cycle management.

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