

EXAMPLE OF USE

IoT

Gateway

Industrial
Controllers

Home
Automation

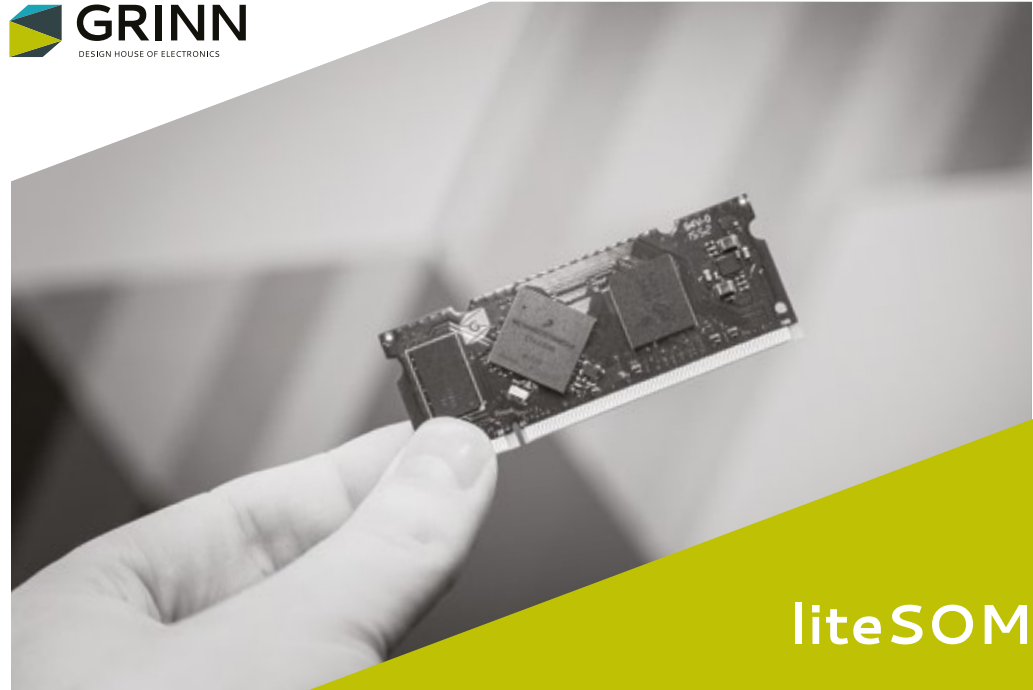
Smart
Appliances

HMI

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liteSOM

liteSOM is an extremely low-power, state-of-the-art module based on ARM Cortex-A7 core iMX6UltraLight processor.

SO-DIMM factor makes it easy to embed to your device without any technical issues. By placing the most critical signals in the module, even very complex peripherals can be placed using two PCB layers.

This allows to deliver cost-performance optimized designs and speeds-up time to market. liteSOM targets a wide range of industrial applications where price sensitivity of the product is important.

BENEFITS

- ✔ Low-power consumption
- ✔ Perfect price/performance ratio
- ✔ Easy to embed
- ✔ Easy to replace
- ✔ High functionality
- ✔ Comprehensive solutions
- ✔ Fast time to market
- ✔ Tiny size
- ✔ Linux and Brillo friendly



TECHNICAL DATA

Processor	i.MX 6UltraLite, 528 MHz, ARM® Cortex®-A7 Core
RAM	Up to 512MB
eMMC	2GB
Power supply	Single 3.3V DC
Size	67.6mm x 26.5mm x 3mm
Temperature range	0 °C to 70 °C or -40 °C to 85 °C
OS support	Linux, Brillo
Graphics	PowerVR SGX530 Graphics Engine, LCD controller
Interface	2x 10/100Ethernet, 2x USB2.0 OTG, 2x CAN, 8x UART, 4x SPI, 4x I2C, 3x I2S
Camera interface	8/10/16/24-bit Parallel Camera Sensor Interface
Security	Crypto Engine (AES with DPA, TDES/SHA/RSA), Tamper Monitor, Secure Boot, SIMV2/EVMSIM X 2, OTF DRAM Encryption