

CompuLab introduces CL-SOM-iMX6UL – a \$29 Freescale i.MX6 UltraLite System-on-Module

Yokneam, Israel - 29-October-2015 – CompuLab is introducing CL-SOM-iMX6UL System-on-Module – a miniature, highly cost effective ARM Cortex-A7 SoM and the latest addition to CompuLab's product line of ARM System-on-Modules.

CL-SOM-iMX6UL is built around the new Freescale i.MX6 UltraLite System-on-Chip - a high performance, ultra-efficient processor featuring an advanced implementation of the ARM Cortex-A7 core. The SoC is coupled with up-to 1GB DDR3 and 32GB of on-board SLC NAND or eMMC storage.

Featuring a rich set of embedded interconnect interfaces with 5x USB ports, 8x UARTs, 2x CAN bus and 78x GPIOs, CL-SOM-iMX6UL is a versatile platform for industrial control and automation systems. Measuring only 36 x 68 x 5 mm, CL-SOM-iMX6UL also provides on-board dual-band 2x2 802.11a/b/g/n WiFi and Bluetooth 4.1.

Low price makes CL-SOM-iMX6UL an ideal selection for cost-sensitive systems, while its small size and low power consumption facilitate integration into portable and space-constrained designs. Supporting industrial temperature range of -40° to 85° C, CL-SOM-iMX6UL is an excellent solution for harsh environments and outdoor installations.

CompuLab supports CL-SOM-iMX6UL with the SB-SOM-iMX6UL carrier-board which has been designed for CL-SOM-iMX6UL evaluation and application development as well as for deployment as SBC-iMX6UL single board computer.

CL-SOM-iMX6UL is provided with comprehensive documentation and full ready-to-run SW packages for the Linux operating system.

Specifications

CPU	Freescale Cortex-A7 i.MX6 UltraLite SoC, 528MHz
RAM	Up to 1GB DDR3
Storage	Up to 32GB on-board eMMC Up-to 1GB on-board SLC NAND
Display	Parallel 24-bit display interface - up to 1366 x 768
Touchscreen	4/5/8-wire resistive touch-screen support Capacitive touch-screen support through SPI interface
Audio	Audio codec with stereo line-out, line-in, mic S/PDIF input/output
Network	10/100Mbps Ethernet Dual-band, dual-antenna 2x2 802.11a/b/g/n WiFi Bluetooth® 4.1 BLE
USB	1x USB2.0 OTG + 4x USB2.0 host ports
UART	Up to 8x UART ports
SDIO	Up to 1x MMC/SD/SDIO interface
General I/O	Up to 3x I2C, 3x SPI, 2x CAN, 78x GPIO
ADC	Up to 10x general-purpose ADC inputs
Power	3.2V to 5V / Li-Ion battery
Connector	204-pin SO-DIMM edge connector
Dimensions	36 x 68 x 5 mm
Temp. range	-40 to 85°C

Availability and Pricing

CL-SOM-iMX6UL will be available in November 2015 through CompuLab's worldwide distribution channel and through direct sales (www.compulab.co.il).

CL-SOM-iMX6UL will be offered at a variety of configurations starting from \$29 for volume orders.

Detailed ordering and pricing information is available at [CL-SOM-iMX6UL product page](#).

About CompuLab

CompuLab is a leading designer and manufacturer of embedded computing products since 1992.

CompuLab products are embedded in digital signage, telecommunication systems, automotive devices, gaming systems, medical devices, aerospace and marine systems, and countless other applications.

CompuLab headquarters are located in Yokneam, Israel with offices in St. Petersburg, FL.

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NOTE TO EDITORS: For additional info and high-res product images please refer to the [CL-SOM-iMX6UL press kit](#) or visit www.compulab.co.il.