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Quad-core Snapdragon $75 embedded module by CompuLab delivers top performance in a tiny footprint

Yokneam, Israel – 13-May-2014 – CompuLab is introducing CM-QS600 – a miniature Computer-on-Module built around Qualcomm Snapdragon APQ8064 1.7GHz quad-core SoC with high-performance Adreno 320 GPU. CM-QS600 brings performance and power efficiency of embedded ARM to a new level, enabling design of cost-effective compute-intensive multimedia applications at a much smaller form-factor than ever before. Designed into a tiny footprint of 65 x 68 x 5 mm, CM-QS600 comes with up-to 2GB DDR3 RAM and 32GB of on-board eMMC storage and provides extensive connectivity with dual-band WiFi 802.11, Bluetooth 4.0, Gigabit Ethernet, PCIe, USB, SATA, HDMI, LVDS, serial ports and I/O lines. CompuLab supports CM-QS600 with comprehensive documentation and full ready-to-run SW packages for both Linux and Android.

With best-in-class graphics and superior video capabilities CM-QS600 is a powerful platform for multimedia demanding applications such as digital signage, IPTV and media players. Miniature size, low power consumption and cutting-edge power management make CM-QS600 an excellent solution for portable and battery-powered systems.

"CM-QS600 has been designed to unleash the full potential of Qualcomm Snapdragon" said Igor Vaisbein, VP Business Development at CompuLab. "With CM-QS600 we measured twice the performance compared to current CoM offerings with no increase in power consumption. With tiny form factor and highly competitive price point CM-QS600 stands out as an extremely attractive embedded platform."

Specifications

CPU	Qualcomm Snapdragon APQ8064 SoC, 1.7GHz
Graphics	Adreno 320 GPU
DSP	Hexagon QDSP6
RAM	Up to 2GB DDR3
Storage	Up to 32GB on-board eMMC
Display	HDMI 1.4a, up-to 1920 x 1080
	LVDS, up-to 2048 x 1536
Audio	Audio codec with stereo line-out, line-in, mic
Camera	MIPI-CSI, up-to 20MP
Network	Gigabit Ethernet
	Dual-band WiFi 802.11a/b/g/n
	Bluetooth® 4.0 low-energy
PCI Express	PCI Express Gen 2.0 interface
SATA	SATA interface
USB	Up to 3 USB2.0 high-speed ports
UART	Up to 5 UART ports
SDIO	Up to 3 MMC/SD/SDIO interfaces
I2C	Up to 5 I2C interfaces
SPI	Up to 5 SPI interfaces
GPIO	Up to 61 multifunction signals
Power	5VDC / Li-Ion battery
Connector	204-pin SO-DIMM edge connector
Dimensions	65 x 68 x 5 mm

Availability and Pricing

CM-QS600 will be available in June 2014 through CompuLab direct sales (www.compulab.co.il) and through CompuLab's worldwide distribution channel.

CM-QS600 will be offered at a variety of configurations starting from $75 for volume orders.

Detailed ordering and pricing information is available at www.compulab.co.il/products/computer-on-modules/cm-qs600/.

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 visit www.compulab.co.il