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## CompuLab introduces CM-T43 – a \$37 ARM Cortex-A9 System-on-Module featuring unprecedented connectivity

Yokneam, Israel - 11-March-2015 – CompuLab is introducing CM-T43 – a miniature, highly cost effective Cortex-A9 System-on-Module.

CM-T43 is built around the new Texas Instruments Sitara AM437x system-on-chip family featuring an advanced Cortex-A9 ARM CPU coupled with a PowerVR SGX GPU and a Programmable Real-time Unit (PRU). The SoC is supplemented with up-to 1GB DDR3 and 32GB of eMMC or 512MB of SLC NAND on-board storage.

Delivering an unprecedented array of network interfaces with dual Gbit Ethernet, 2x2 MIMO dual-band 802.11ac/a/b/g/n WiFi, Bluetooth 4.0 and NFC, CM-T43 is an excellent solution for networking, industrial communications and IoT applications.

Small size and low power consumption allow CM-T43 to be easily integrated into portable and space-constrained designs, while its low price makes it an ideal selection for cost-sensitive systems.

CompuLab supports CM-T43 System-on-Module with a highly versatile SB-SOM-T43 carrier-board which has been designed for CM-T43 evaluation, application development as well as for deployment as a SBC-T43 industrial single-board computer.

CM-T43 is provided with comprehensive documentation and full ready-to-run SW packages for Linux and Android operating systems.

### Specifications

<b>CPU</b>	Texas Instruments Cortex-A9 Sitara AM4376 / AM4379 SoC, up to 1GHz
<b>GPU</b>	PowerVR SGX530 GPU
<b>RAM</b>	Up to 1GB DDR3
<b>Storage</b>	Up to 32GB on-board eMMC Up-to 512MB on-board SLC NAND
<b>Display</b>	Parallel 24-bit display interface - up to 100 Mpixels/sec
<b>Network</b>	2x Gigabit Ethernet Dual-band, dual-antenna 2x2 MIMO 802.11ac/a/b/g/n WiFi Bluetooth® 4.0 (low energy) NFC - full protocol support for ISO 14443A/B, ISO 18092 and ISO 15693
<b>USB</b>	USB2.0 high-speed dual-role (host / device) port USB2.0 high-speed host port
<b>UART</b>	Up to 6 UART ports
<b>CAN bus</b>	Up to 2 CAN bus interfaces
<b>SDIO</b>	Up to 3 MMC/SD/SDIO interfaces
<b>I2C</b>	Up to 2 I2C interfaces
<b>SPI</b>	Up to 4 configurable SPI bus interfaces
<b>GPIO</b>	Up to 133 multifunction signals
<b>Audio</b>	Audio codec with stereo line-out, line-in, mic
<b>Touchscreen</b>	4/5/8-wire resistive touch-screen support Capacitive touch-screen support through SPI interface
<b>ADC</b>	16 general-purpose ADC channels
<b>Power</b>	3.3V to 5V / Li-Ion battery
<b>Connector</b>	204-pin SO-DIMM edge connector
<b>Dimensions</b>	36 x 68 x 5 mm



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## ***Availability and Pricing***

CM-T43 will be available in April 2015 through CompuLab's worldwide distribution channel and through direct sales ([www.compulab.co.il](http://www.compulab.co.il)).

CM-T43 is offered at a variety of configurations starting from \$37 for volume orders.

Detailed ordering and pricing information is available at [www.compulab.co.il/products/computer-on-modules/cm-t43/](http://www.compulab.co.il/products/computer-on-modules/cm-t43/).

## ***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 [CM-T43 press kit](#) or visit [www.compulab.co.il](http://www.compulab.co.il).