

New CompuLab Intense PC2 is pushing the envelope of fanless computing

Yokneam, Israel – 13-Jan-14 – CompuLab is introducing Intense PC2 – a miniature fanless PC with 4th generation Intel® Core™ processor and unprecedented array of features - including three 4K displays, 3 internal disks and a trio of networking interfaces – LAN, WLAN and cellular data communication.

Performance and features

IPC2 is the 2nd generation of Intense PC – CompuLab’s acclaimed miniature fanless PC best known as the official Linux Mint PC - the MintBox 2. IPC2 further improves the best-in-class features of its predecessor with 4th generation Intel® Core™ i7 Processor, a 3rd display with 4K resolution support, a 3rd internal SATA device, 802.11ac WLAN, cellular communication, a pair of Intel Gbit Ethernet NICs, 2 extra USB3 ports for a total of 4 and 2 additional RS232 ports.

IPC2 brings efficiency to a new level with 30% higher performance than its predecessor and 40% lower idle power of under 6W. “IPC2 design goal was more-for-less” said Stas Lapchev - IPC2 Product Architect. “Every single aspect is enhanced in IPC2 – CPU and graphics performance, RAM, storage, display, networking and I/O. The major achievement is packing all that new functionality in the same compact fanless-housing while actually reducing power consumption and base price”.

IPC2 is designed for user serviceability – hard disk, RAM and mini-PCIe cards are all accessible through a one-screw service door at the bottom of the computer.

IPC2 solutions

Beyond the vanilla fanless PC, CompuLab is offering these IPC2 based solutions:

Surveillance:

- **IPC2-CCTV** with support for up to 16 video cameras
- **IPC2-PoE** with 4 Gbit Ethernet ports with 802.3af compliant Power-over-Ethernet

Advanced networking:

- **IPC2-MultiLAN** with 3-6 Gbit Ethernet ports

Industrial applications:

- **IPC2-MultiSer** with 9 serial ports and 2 CANbus ports
- **IPC2-MultiPCIe** with 4 miniPCIe sockets

IPC2 is open and modular with support for CompuLab FACE Modules – allowing third parties to design their own Function and Connectivity Extension Modules for IPC2.

Specifications

CPU: Intel® Core™ i7-4600U Processor (4M Cache, up to 3.30 GHz) to Intel® Celeron® Processor 2955U

RAM: Up to 16 GB DDR3L 1600 dual channel

Storage: Internal 2.5” HDD/SSD + 2x mSATA (all SATA revision 3.0 - 6 Gbps)

Display: 2x HDMI 1.4a + DisplayPort 1.2 – each with 4K support

Audio: S/PDIF 7.1 input/output + stereo line-out / MIC in

LAN: 2x Gbit Ethernet with Intel NICs

WLAN: 802.11ac + Bluetooth 4.0, dual -antenna

Cellular communication: On-board uSIM socket and full-size miniPCIe for cellular modem

USB: 4x USB3 + 2x USB2

Serial: 3x RS232

Enclosure: Passively cooled die-cast aluminum

Dimensions: 16 cm x 19 cm x 4 cm ; 6.3” x 7.4” x 1.57”

Power consumption: 6W – 24W

Availability

IPC2 can be pre-ordered now from CompuLab starting at \$388. Availability through Amazon and CompuLab resellers is expected in February 2014.



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About CompuLab

CompuLab is a leading designer and manufacturer of embedded computing products since 1992 with product lines ranging from computer-on-modules to ready-to-use miniature computers. CompuLab's fit-PC line of miniature, fanless PCs - introduced in 2007 – positioned CompuLab as an industry leader in the field of miniature, fanless industrial PCs.

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.fit-pc.com/ipc2