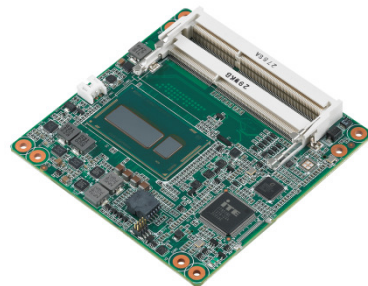**ADVANTECH**
Enabling an Intelligent Planet

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New R2.1 Type 6 COM Express Compact Module
With 4th Gen. Intel® Core™ Processors (U-Processor Line)
Smaller Size, Better Performance for Power Efficient Usage

Oct. 8, 2013, Munich - Advantech, a leading embedded computing solution provider, announced the release of its new COM Express 2.1 Compact Module in Type 6 pin-out module board—SOM-6894. SOM-6894 is designed with the latest 4th generation Intel® Core™ i7-4650U vPro, i5-4300U vPro, i3-4010U processors, Intel® Celeron processor 2980U which integrates the CPU and PCH onto one single chip, resulting in lower power consumption but better CPU and GT3, GT2 and GT1 graphics performance. SOM-6894 features up to 16GB of DDR3L 1600MHz non-ECC unbuffered memory, and is ideal for applications with high graphic requirements in and multiple display connectivity.

Smaller Size, Better Performance in a Lower TDP
SOM-6894 takes up around 24% less space and gives a 15% CPU performance increase due to the integration of CPU + PCH on the U-processor. It delivers similar performance but has a lower 15W Thermal Design Power (TDP) rating when compared with the Intel® 3rd generation Core™ i7 COM Express Basic modules. Based on this, SOM-6894 provides more flexibility and options for customer's to design their carrier boards. This compact module is ideal for medical, digital signage, automation and surveillance applications.

Low Power CPU Performance and Graphics Upgrade
SOM-6894 also delivers improved graphics performance with the latest Intel® HD graphics with DX 11.1, OGL 3.2, OCL 1.2 support. This upgrade gives SOM-6894 around a 30% better graphic performance than previous versions. In addition, SOM-6894 supports dual and triple independent displays for even better media and display capabilities.

Supports Advantech iManager Hardware Monitoring Utility
Advantech iManager provides a valuable suite of programmable APIs such as multi-level watchdog, hardware monitor, and other user-friendly interfaces. Since this is a built-in solution

on chip, iManager ensures that functions operate even if the operating system fails, helping enhance system stability and compatibility, and reducing effort on carrier board design and platform migration.

SOM-6894 will be available by Oct., 2013. Please contact your local Advantech sales rep or visit the website (http://www.advantech.eu/embcore/) for more details.

SOM-6894 Features:

- PICMG COM R2.1 Type 6 pin-out compatible Compact module for Intel® 4th generation U-processors - Intel® Core™ i7-4650U vPro, i5-4300U vPro, i3-4010U processors, Intel® Celeron processor 2980U
- Intel® HD Graphics support for DX11.1, OGL 3.2, and OCL 1.2
- Supports triple display-VGA, 18/24-bit LVDS, HDMI/DVI/DisplayPort
- Supports up to 16 GB DDR3 1600 non-ECC memory
- Supports 4 PCIe x1, 4 SATAII, 2 USB 3.0, 8 USB2.0, GbE, LPC, SMBus, and I^{2}C Bus

Supports Advantech iManager 2.0 and software APIs

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About Embedded Core Service

Advantech Embedded Core Services offers design-in oriented services. These streamlined solutions broadly integrate embedded boards, peripheral modules and software. This dedicated focus on Embedded Design-in services fulfills electronic engineering demands at their design-in phase, and brings benefits that shorten the design and integration cycles, minimizing uncertainty and risk. www.advantech.eu/EmbCore

About Advantech

Founded in 1983, Advantech is a leader in providing trusted, innovative products, services, and solutions. Advantech offers comprehensive system integration, hardware, software, customer-centric design services, embedded systems, automation products, and global logistics support. We cooperate closely with our partners to help provide complete solutions for a wide array of applications across a diverse range of industries. Our mission is to enable an intelligent planet with Automation and Embedded Computing products and solutions that empower the development of smarter working and living. With Advantech, there is no limit to the applications and innovations our products make possible. (Corporate Website: www.advantech.eu).