

Primary Media Contact:

Advantech Europe B.V.
Stephanie Stadlberger
Tel: +49 89 125 991 021
Stephanie.stadlberger@advantech.de

**New R2.1 Type 6 SOM-6867 COM Express Compact Module
With Intel® Atom™ E3800 & Celeron® E3845/J1900 Processors**
Outstanding Performance with Low Power Consumption

Nov. 14, 2014, Germering, Germany- Advantech, a leading embedded computing solution provider, announced the release of its new COM Express 2.1 Compact type 6 pin-out module board—[SOM-6867](#). SOM-6867 is designed with Intel® Atom™ E3845/Celeron® J1900 processor which gives impressive CPU and graphics performance improvements over previous generations. This model features up to 8GB of DDR3L 1333MHz non-ECC unbuffered memory, and is ideal for applications with high graphic requirements for entry level design and multiple display connectivity. SOM-6867 targets at applications such as test equipment, control management, automation and also hand-carry systems.



Palm-Size with Superior Performance

SOM-6867 is a COM Express type 6 Compact module (95 x 95 mm) that takes up around 24% less space but gives 300% plus CPU performance and 400% graphic performance increase over previous generations. SOM-6867 J1900 consumes less than 5 watts (idle mode) for the whole module, and provides practical information for system design and integration. It delivers up to 8 GB DDR3L memory and two SO-DIMM sockets to fulfill intensive graphic requirements. SOM-6867 supports DirectX 11, OpenGL 4.0 and H.264 flexible hardware decoder to decode multiple high-resolution full HD videos.

In addition, SOM-6867 supports dual independent displays for even better media and display capabilities. SOM-6867 Display Port is capable of up to 2560 x 1600 pixels and 1920 x 1200 pixels with HDMI, as well as a combination of two independent displays via 2CH 24-bit LVDS.

Flexibility for Various System Design

SOM-6867 has a wide range of voltage input from 4.75V ~ 20V, and flexible application development options from its 1 to 4 core selection. With PCIe x4 built into the processor,

SOM-6867 provides super fast data transmission. This model is able to support 4 x PCIe x1 and single LAN. SOM-6867 solves the difficulty for customers requiring high data transmission and LAN at the same time; which was not available from previous platforms. On-board storage design provides better reliability than traditional hard disk drives, allowing more space for system design.

Supports Advantech iManager Hardware Monitoring Utility

SOM-6867 fully supports Advantech [iManager](#), which 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 on-chip solution, 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-6897 will be available by Nov., 2014. Please contact your local Advantech sales rep or visit the website (<http://www.advantech.com.tw/embcore/>) for more details.

SOM-6867 Features:

- PICMG COM R2.1 type 6 pin-out compatible Compact module for Intel® Atom™ E3800 series & Celeron® E3845/J1900 processors
- Intel® HD Graphics support for DX11, OpenGL 4.0, OCL 1.1, H.264
- Supports dual display, VGA, 18/24-bit LVDS, HDMI/DVI/DisplayPort
- Supports up to 8 x GB DDR3L 1333 non-ECC memory
- 3 x PCIe x1, 2 x SATAII, 1 x USB 3.0, 8 x USB2.0, GbE, LPC, SMBus, and I²C Bus
- Supports 1 on-board SSD storage (option)
- 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.com/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.com).