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Advantech's New Mini-ITX Motherboard with 4th Generation Intel® Core i for Power-and-Cost Efficient Applications

March 27, 2014, Munich – Advantech, a leading, global, embedded computing and intelligent applications provider today introduced the arrival of [AIMB-203](#), a new industrial-grade Mini-ITX motherboard based on the 4th generation Intel® Core™ i7/5/3 with H81 chipset, resulting in lower power consumption and better graphic performance. Designed with a rich variety of I/O functions, AIMB-203 is ideal for a multitude of applications such as ATM/Kiosks, automation, medical equipment, gaming machines etc. With the preloaded remote management software – [SUSIAccess](#), AIMB-203 not only saves development cost but also enhances system management efficiency.

SUSIAccess
Enabling Intelligent & Embedded Systems



Rich & Hi-Speed I/O Connectivity for Flexible Embedded Applications

AIMB-203 comes with high connectivity and multiple high-speed I/O including: 2x USB 3.0, 6x USB 2.0, 2x SATAIII & 1x SATAII connector, keyboard/mouse port, 1x Printer Port, 9 x COM, PCIe x16, 2x MiniPCIe (F/S x1, H/S x1) expansion sockets, accompanied with one SIM card holder for easy wifi/3G module installation. It supports 8-bit digital programmable I/O along with three BTX type Audio Jacks. AIMB-203 also comes with dual PCI Express based Gigabit Ethernet ports (Realtek 8111E) delivering up to 1000 Mbps of bandwidth for network-intensive applications. Both 8 x USB & 9 x serial ports can provide sufficient and flexible connection possibilities for KIOSK/ATM system integrators to link and manage multiple peripherals. All these rich connectivity & high performance features are packed in a power-efficient and cost-effective Mini-ITX form factor.



Dual Display and Excellent Graphics Performance

AIMB-203 mini-ITX motherboard integrates Intel® HD Graphics with DX11.1, OpenCL1.2 and OpenGL4.0 support to deliver enhanced graphics performance and improved 3D video performance. AIMB-203 supports high resolution for Displayport1.2, and also has multiple display port of VGA, LVDS, DVI-D for display capability, deliver better graphics and imaging, making them ideal for gaming and medical applications.

Remotely Manage Multiple Systems with SUSIAccess

AIMB-203 bundles with [Advantech SUSIAccess](#) which provides remote device management and system recovery powered by Acronis, and system protection powered by McAfee; allowing users to easily monitor, configure, control, and even recover multiple systems through a single console from a remote site.

AIMB-203 – Features

- Supports the latest 4th generation Intel® Core™ i processors
- Supports dual channel DDR3/DDR3L-1600 (1.5V) 204-pin SODIMM sockets up to 16 GB
- Intel® Gfx support DX11.1, OpenCL 1.2, OpenGL 4.0
- Supports dual displays: VGA, LVDS, Displayport1.2, DVI-D
- Rich I/O & expansion options: 2 x USB 3.0, 6x USB 2.0, 2x SATAIII and 1x SATAII, 9x COM ports, 1x Printer Port, and 8-bit GPIO, 1 PCIe x16, 2 Mini PCIe sockets (F/S x 1, H/S x 1 with SIM card holder)
- Integrated Dual Channel 6W Audio amplifier
- Embedded “SUSIAccess” software suite powered by Acronis & McAfee for remote management, remote system recovery, and banking-level security for system protection.

AIMB-203 is available now for order. For more information, please contact an Advantech local sales office or visit <http://www.advantech.eu>

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-

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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).

