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The Intelligent AIMB-274 Mini-ITX with 4th Generation Intel® Core i Processors Powered by iManager 2.0 and SUSIAccess

Oct. 31, 2013, Munich - Advantech, the embedded platform and integration services provider introduces [AIMB-274](#), a new industrial-grade Mini-ITX motherboard based on the Intel® Q87 chipset and the latest 4th generation Intel® Core™ I processor, with the remote management power of SUSIAccess and iManager 2.0 intelligent system management tool. AIMB-274 is an ideal platform for a multitude of applications such as medical equipment, automation, gaming machines, ATM/Kiosks and much more. The blend of Advantech hardware and value added smart software now brings the benefits of cloud computing within reach of many embedded applications.



Maximum Hi Speed I/O Connectivity for Minimum Resources

AIMB-274 comes with high connectivity and multiple high speed I/O including: 4 x USB 3.0, 6 x USB 2.0, 4 x SATAIII & 1 x eSATA connector, 2 x COM, PCIe x16, 2 x MiniPCIe (F/S x 1, H/S x 1) 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-274 also comes with dual PCI Express based Gigabit Ethernet ports (Intel I217LM + I211AT) delivering up to 1000 Mbps of bandwidth for network-intensive applications. All this high speed connectivity is packed into a space-saving and cost-effective Mini-ITX form factor which makes AIMB-274 a first-rate fit for high-end applications.

Triple Display and Excellent Graphics Performance

With market demands going more towards motherboards equipped with advanced HD graphics performance and support for multiple displays, AIMB-274 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-274 supports high resolution 4K2K for HDMI, Displayport1.2, and eDP ports. AIMB-274's HDMI port is shared with Displayport1.2 and will be auto-detected by BIOS.

Three independent displays, either in clone mode or extended mode using VGA, HDMI (DisplayPort1.2), LVDS (eDP) and DisplayPort1.2, deliver stunning graphics and imaging, making them ideal for gaming and medical applications.

Reinforced with Advantech iManager 2.0 and SUSIAccess

Advantech iManager is built into AIMB-274. iManager provides a set of standardized APIs for hardware monitoring, smart fan, multi-level watchdog, brightness control and more. iManager API with user-friendly interfaces enhance reliability, lighten development effort and speed up time-to-market for system integrators. AIMB-274 also 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-274 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 triple displays: VGA, LVDS (eDP), HDMI (Displayport1.2), DisplayPort1.2
- Rich I/O & expansion options: 4 x USB 3.0, 6 x USB 2.0, 4 x SATAIII and 1 x eSATA, 2 x COM ports and 8-bit GPIO, 1 PCIe x16, 2 Mini PCIe sockets (F/S x 1, H/S x 1 with SIM card holder)
- Supports Advantech iManager 2.0 and software APIs

AIMB-274 is available now, for more information, please contact an Advantech local sales office.

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

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Press Release

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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).

