

## AAEON, Aewin, Arbor, Avalue, Axiomtek and IBASE Now Support the COM Express™ Extension Initiated by Kontron and Advantech

*COM-IG's COM Express Extension Gains Momentum*



**Eching, Germany, September 19, 2007** – Kontron and Advantech announced today that six more global Computer-on-Module manufacturers are committed to supporting the COM Industrial Group's (COM-IG) COM Express™ Extension. The COM Express Extension was published on June 5, 2007 as a joint effort between Kontron and Advantech. This document – based on the PICMG COM.0 COM Express specification – describes optimized pin-outs for graphics and other core features for COM Express designs. With today's announcement, AAEON Technology, Aewin Technologies, Arbor Technology Avalue Technology, Axiomtek and IBASE Technology join the COM-IG.

Key features of the COM Express Extension as proposed by the COM-IG are:

- Multiplexed graphics pin-out to support PEG, SDVO, TMDS and Display Port in order to fit the needs of all the chipsets that will appear in the next few years
- Extended power supply range from 8.5V DC to 18V DC instead of 12V DC only
- Onboard thermal control and BIOS implementations with smart battery support
- Two dedicated GPIO pins for energy management functions
- New obligatory support of legacy-interfaces via super I/O chips

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The COM-IG COM Express Extension is a companion document to the COM Express Specification and COM Express design guide. The COM Express Extension provides a round-up of all trusted design roles for COM Express baseboards and streamlines potential baseboard designs to the most reliable and future proven circuits; all of which have been validated by the world's leading vendors of COM technology. Use of the COM Express design guide is essential for the development of baseboard designs that are 100-percent optimized to take advantage of the scalability of COM Express-based Computer-on-Modules.

All of the new COM-IG members feel that the extension is essential in order to utilize the latest graphics capabilities from chipset vendors including Intel®, AMD®/ATI® and VIA® consistently. This proactive move by the new COM-IG is an effort to ensure that all COM Express solutions continue to be interchangeable, no matter which vendor provides them. This joint effort is outside of the official PICMG committee, but the COM-IG members intend to bring the proposed extension pin-outs before the PICMG for future adoption into a revised COM Express specification.

For more information about the COM Express Extension visit: [www.com-ig.org](http://www.com-ig.org)

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**About AAEON**

AAEON Technology (TAIEX: 2463), established in 1992, manufactures and markets a wide range of OEM/ODM Industrial PCs all over the world. Our commitment to our customers is to provide reliable and high quality Embedded SBCs, Operator Panels, Panel PCs, Medical PCs, Embedded Controllers, Industrial Slot PCs, PC/104 modules, Full-size CPU cards, Half-size CPU Cards and related accessories. By maintaining ISO-9001 and ISO-14001 certifications since 1994 and 1996 respectively, AAEON ensures the commitment to delivering products of the highest quality. Becoming a publicly traded company in 2001, AAEON has demonstrated the sound fiscal policies required for good investment opportunities. AAEON continues to earn numerous citations for its remarkable contribution to the industry, including four years of Symbol of Excellence Awards and the country's Eighth Annual Outstanding Business Award. In 2003, AAEON introduced TL9000 certification to further expand their commitment to quality. AAEON has well established, strategically positioned branches worldwide including America, the Netherlands, China and Singapore. AAEON is an Associate Member with the Intel Communications Alliance, a community of communications and embedded developers and solution providers. (Corporate Website: [www.aaeon.com](http://www.aaeon.com))

**About Aewin**

Founded in 2000, AEWIN Technologies CO., Ltd (ISO-9001 certificated) was set up by a team of experienced R&D engineers who specialized for more than seventeen years. AEWIN is specializing in designing and manufacturing industrial standard single boards, primarily to OEMs, ODMs, system integrator and others different applications. Since the company was established, AEWIN has built an enviable reputation for providing high quality and reliable service in 3.5" & 5.25" Embedded Control Board, Full-Size & Half-Size CPU Cards, PC/104 Module, SOM (System On Module), Barebone System, Special ODM/OEM solutions. Aewin has two branch offices located at Beijing in China and Tokyo in Japan who is serving clients regarding sales, product plan and technical support. The key to the success of AEWIN is that the company sets new trends in IPC market rather than being just a follower. (Corporate Website: [www.aewin.com.tw](http://www.aewin.com.tw))

**About Advantech**

Founded in 1983, Advantech is a global leading ePlatform services provider of web-based technology, computing platforms and customization services to empower innovations in the connected eWorld. Advantech cooperates closely with partners to help provide complete solutions for a wide array of applications in various industries. Advantech delivers more than a thousand products and platform solutions in 5 main categories: Industrial & Network Computing, Embedded Computing, Applied Computing, eVideo Solutions, and eAutomation. With more than 2,700 talented people, Advantech operates an extensive support, sales and marketing network in 18 countries and 36 major cities. Advantech delivers efficient time-to-market services to all worldwide customers. (Corporate Website: [www.advantech.com](http://www.advantech.com)).

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**About Arbor Technology Corp.**

With more than 10 years of embedded and networking expertise, Arbor has the time-tested abilities of providing board-level to system-integrated solution with well-defined manufacturing process and seasoned long-term availabilities. Arbor's Embedded & Networking Computing solutions have been successfully applied into the fields of transportation, e-Service, medical, manufacturing automation, telecommunication, networking, information system and military. Countless users benefit from our services in terms of high productivity, convenience, efficiency, cost-effective and reliance. As an affiliate member of the Intel® Communications Alliance, ARBOR realizes your embedded computing vision with most advanced Intel® embedded computing solutions. Arbor Technology Corp. has intensive operations across the world, deploys embedded computing solutions to every corner wherever you are. (Corporate Website: [www.arbor.com.tw](http://www.arbor.com.tw))

**About Avalue**

Avalue Technology is a dedicated designer and manufacturer for a wide range of Embedded computing, single board computer, SOM-ETX, long-life motherboard, multi-functional touch panel PC, and Embedded system. The Avalue team builds each project with its extended services, including product life cycle management, PCB/Assembly/BIOS vision control, high quality design and manufacture, and legacy form factor/device support. As an ISO 9001 certified company, Avalue practices Total Quality Management principles in all phases of the company global operations. Currently, Avalue has built its headquarters in Taipei, Europe branch located in Denmark, China branches in Shanghai, USA branches located in New Jersey and California, as well as an international distribution network all over the world to serve its customers worldwide. (Corporate Website [www.avalue.com.tw](http://www.avalue.com.tw))

**About Axiomtek**

Founded in 1990 by a group of young and aggressive engineers in Taiwan, Axiomtek is one of the major design and manufacturing companies in the Industrial PC field. Since its establishment, Axiomtek has successfully gained worldwide recognition for its innovative designs and guarantee of total customer satisfaction. At Axiomtek, computing experts design, manufacture, and support award-winning versatile and modularly designed Applied Computing Platforms, so that customers have a single, reliable, cost-effective source. Axiomtek's wide array of CE, FCC & UL certified products include Embedded Computing Platforms, Panel Computers, Industrial Automation Devices, Industrial PC platforms, Network Appliances, and Storage Appliances. The worldwide inventory control and tracking system coordinates inventory among Axiomtek's offices located in Taiwan, USA, Germany, Poland, France, Spain, Italy, Japan, and China to ensure prompt delivery every time. Axiomtek's continual drive to improve efficiency, flexibility, and to assist customers, has helped set high standards. As a leading industrial computer supplier, Axiomtek is devoted to producing state-of-the-art solutions that aid users in achieving their goals. This is just a starting point to greater services and more advanced products. (Corporate Website: [www.axiomtek.com](http://www.axiomtek.com))

**About iBASE Technology**

Founded in 2000, iBASE Technology (Taiwan OTC: 8050) is an ISO9001 certified company that specializes in the design, production, sales and marketing of industrial PC products. iBASE's R&D team is composed of talented hardware and software engineers - 50% with over 10 years and 45% with 5 to 10 years of experience in their respective fields. Current product offerings from iBASE include various single board computers, Mini-ITX boards, industrial motherboards, ETX CPU modules, barebone systems, network appliance and digital surveillance systems for different applications in the gaming, entertainment, automation, medical, military, network and security markets. iBASE also provides OEM/ODM services tailoring products to customers' requirements. (Corporate Website: [www.ibase.com.tw](http://www.ibase.com.tw))

**About Kontron**

Kontron designs and manufactures standard-based and custom embedded and communication solutions for OEMs, systems integrators, and application providers in a variety of markets. Kontron engineering and manufacturing facilities, located throughout Europe, North America, and Asia-Pacific, work together with streamlined global sales and support services to help customers reduce their time-to-market and gain a competitive advantage. Kontron's diverse product portfolio includes: Computer-on-Modules, SBCs/blades, open-modular platforms and systems, HMIs, and custom capabilities. Kontron is a Premier member of the Intel® Communications Alliance and was awarded 2006 Intel Member of the Year. The company is a recent three-time VDC Platinum vendor for Embedded Computer Boards. Kontron is listed on the German TecDAX stock exchange under the symbol "KBC". For more information, please visit: [www.kontron.com](http://www.kontron.com).

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