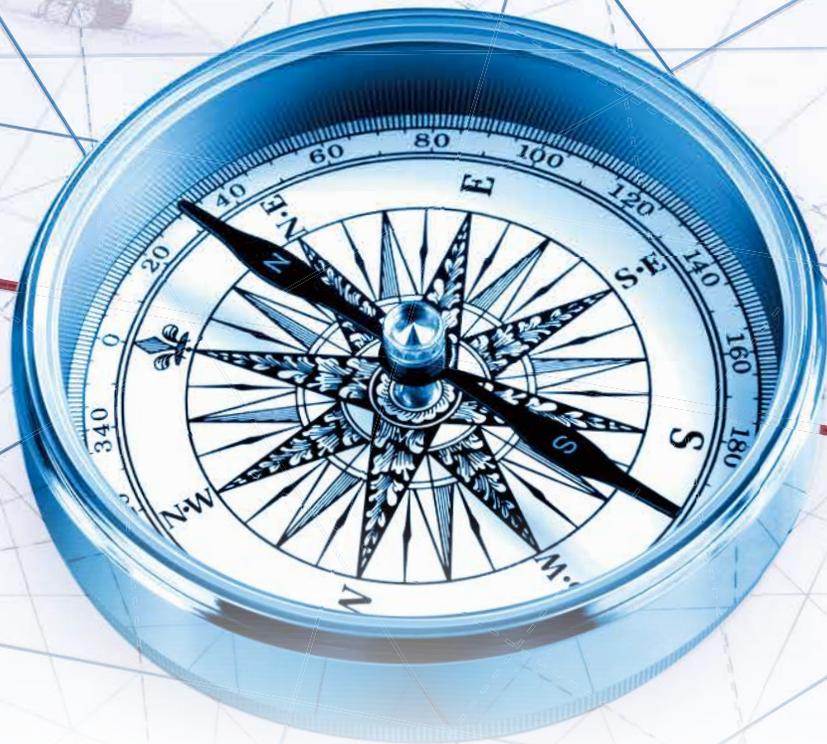


Embedded Computing Design Service

Guiding Your Way to the Perfect Solution



Well-rounded Services

From hardware to software, the Service is set to present you the quickest and most viable ways to make your ideas become a reality. Different approaches in prototyping, producing, and maintaining the proposed design will be drawn up for the best course of action that suits your needs.

Software

- Utility/SDK/OS Setup and Configuration
- Custom Firmware Porting
- Basic/Custom BIOS Porting

Hardware

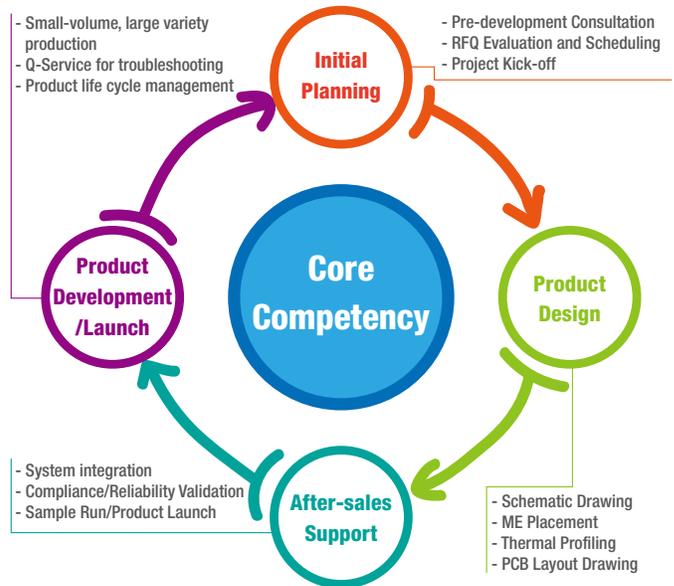
- Customization through daughterboards
- Revised/ Customized Products
- Dedicated P/N for ODM/OEM Products

Value-Added Services

- Thermal Simulation
- Thermal Design Support (E.g. Heat Sinks, Heat Spreaders, Fans)
- Simple Chassis Integration for Pretesting
- Q Service Plus, Technical Forum

Clearly Defined Production Processes

The process of coming up with a finalized solution can be divided into 4 main stages: Initial Planning, Product Design, Product Development/Launch, and After-sales Support, with each stage comprising of different tasks. Refer to the diagram below to learn more about the main processes that make up each stage.



Right Steps for the Job

To achieve the aim of speeding up product development, proposed ideas are categorized into 4 product types: Standard Product, Revised/Customized Product, and ODM Product based on the specifications required. The diagram below will break down these product types and explain to you characteristics of each type.

Standard Product

- Fully verified
- Readily available
- No MOQ Limitation

Revised Product

- Modified Standard Product with less than 10 modifications
- Sample ready in 2 weeks
- 70% less development time than a Standard Product

Customized Product

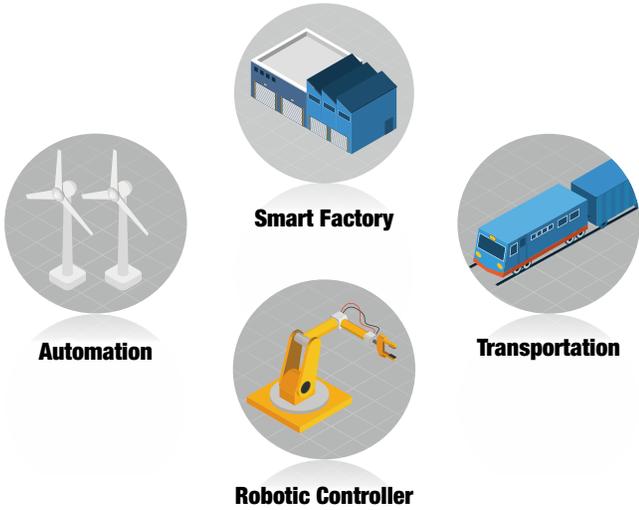
- Modified Standard Product with more than 10 modifications
- Sample ready in 6 weeks
- 50% less development time than a Standard Product
- Best customer service

ODM Product

- Developed from scratch for total customization

Getting Specific with ODM Projects

Ideas requiring over-extensive modification of a Standard Product will be considered as a new ODM product. As it is built from the ground up, it may take longer for an initial sample to be ready than other categories. But this approach comes with the added perk of allowing users to incorporate any features they want, down to changing specifications pre-defined by an Standard or Revised Products (such as form factor), making it the most practical route for developing solutions for specific vertical markets.

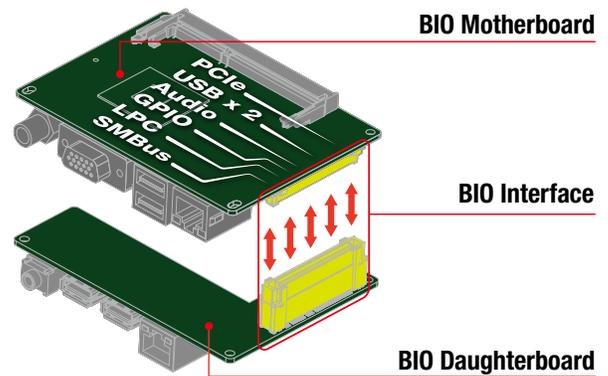


BIO Standardized Pin Definition

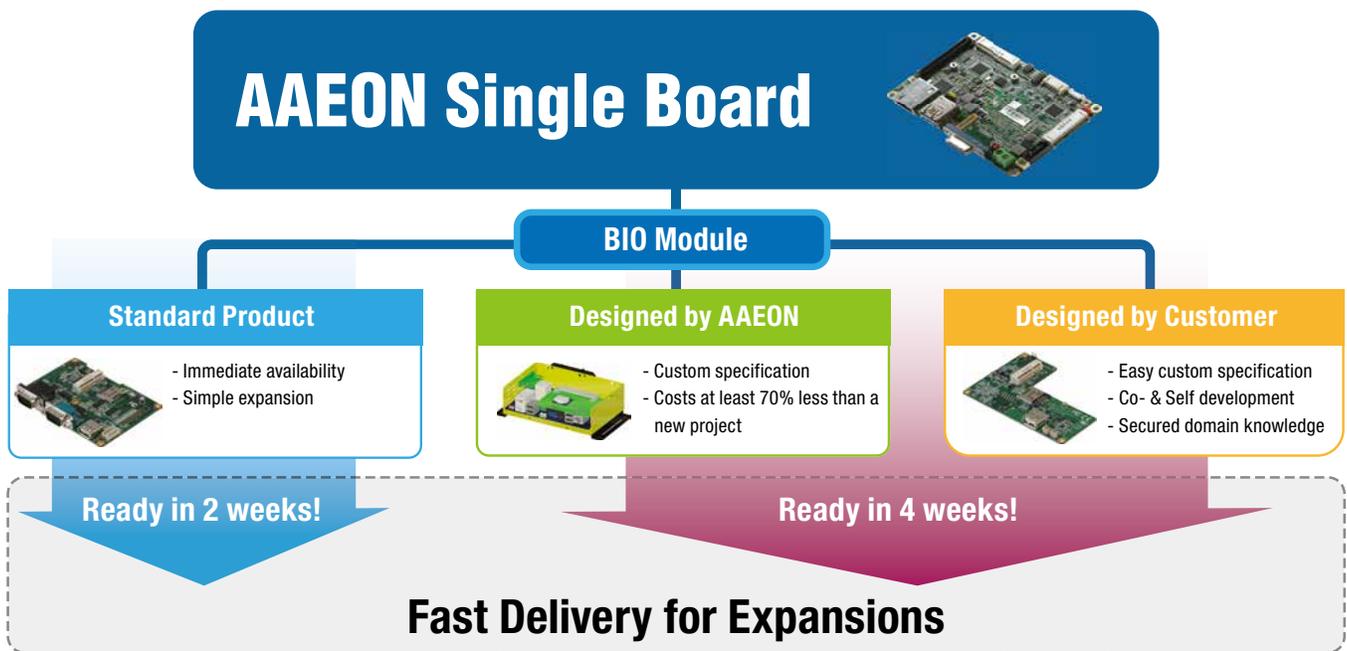
While there are many approaches to which a product can be customized, AAEON recommends the BIO daughterboards, a series of daughterboards equipped with AAEON's Board-to-board Interface for AAEON's Standard Products. Being simple in design and made-to-order, the board takes time and effort out of customization by bypassing the traditional process of re-specifying, building, and testing a product. Simply pick the features you want, build the board, connect it to the motherboard and your solution is ready. No fuss, no muss.

Some key features include:

- Unified screw holes on both the motherboard and daughterboard
- Flexible to demands of vertical markets
- Easy thermal and system assembly



Customization Made Easy



Note: All specifications are subject to change without notice.

Get Up to Speed with Q Service Plus



Q-Service Plus is AAEON's unique set of free, multi-faceted services aimed at getting a product setup as quickly as possible as well as providing assistance in troubleshooting, debugging, and upkeeping systems after implementation. It covers both pre-production as well as after-sales phases with the following services:

I. Core Services

Speed and efficiency defines the core of AAEON's Q service Plus. With it, we aim to:

- Provide quick BIOS setup within 5 working days
- Provide preliminary feedback on a problem within 1~2 working days
- Provide complete compatibility, reliability, testing and debugging within 3~5 working days
- Arrange on-site service and consultation, including troubleshooting and risk management
- Provide carrier board schematics and compatibility check



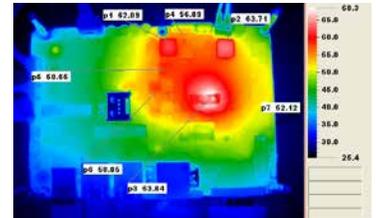
II. Thermal Analysis Service

AAEON offers a full range of custom-designed thermal solutions to ensure the most optimal, flexible thermal management for your AAEON products. With AAEON's custom thermal solution, you can be assured of the following services:

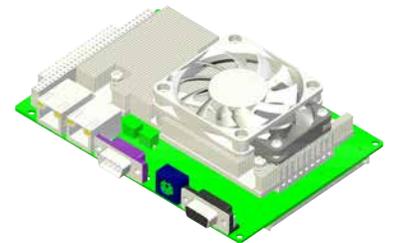
- Sample drawing of proposed designs
- Simulation of selected designs
- Thermal solution designs of board level or system integration
- Field testing before final implementation
- Contribute to extended temperature products



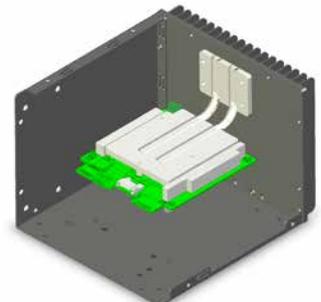
Thermal Simulation



Board Level Design



System Integration



Get Up to Speed with Q Service Plus

III. Sharp Tools Make Good Work

Debugging is prudent in embedded devices. We are well-prepared with the debugging tool sets to facilitate the debug process, especially for COM Express modules. These tools are for internal use ONLY and are not for sale.



Debug Tool: LPC Debug

- To display system's boot status



Riser Card:

- PCIe [x16] to PCIe [x8] x 2 + Power



- PCIe [x4] to PCIe [x1] x 4 + Power



- PCIe [x16] to PCIe [x8] + PCIe [x4] x 2 + Power



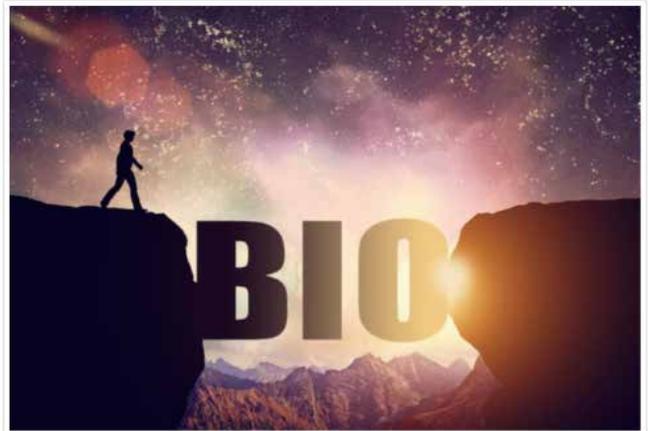
IV. Technical Forum - Enrich Your Technical Knowledge

The AAEON Technical forum is a knowledge base service to share in-depth information on some of today's most commonly used technologies as well as technical know-how on embedded system designs. Articles will be uploaded regularly and we encourage users to browse through them and provide their feedback. Also, any queries relating to the posted topics will be promptly responded to by our R&D engineers, who are administrating the site and will be glad to answer any questions.

- Sharing new technology and the most common questions
- Closing the distance with client
- Problem-solving

AAEON BIO White Paper

2016/1/21 下午 01:46:33 ADMINISTRATOR GENERAL



The screenshot shows the AAEON Tech. forum interface. At the top, there are navigation menus for IPC, PERIPHERAL, Q-SERVICE, PRODUCTS, and WHITEPAPER, along with Login and Registration buttons. The main heading is 'AAEON Tech. forum' with a sub-heading 'IPC / Peripheral / Q-Service'. Below this, there is a featured article titled 'NanoCOM-BT & Q-Service Plus Resource Guide' with a date of 2016/1/19 上午 11:05:43. A search bar is located on the right side. A 'Recent Posts' section lists several articles, including 'non Connected Standby (Non-CS)', 'Schnell Trigger in false Suppression', 'RTC time delay at booting system', 'Multiplex Display', 'Designing Hardware for ARM-based Embedded Linux Platforms', and 'MOS body diode design concept'.



Introducing
AAEON Tech Forum
<http://forum.aaeon.com>

AAEON Headquarters

AAEON Technology Inc.

5F, No. 135, Lane 235, Pao Chiao Rd.,
Hsin-Tien Dist, New Taipei City, 231, Taiwan, R.O.C.
Tel: +886-2-8919-1234
Fax: +886-2-8919-1056
E-mail: sales@aaeon.com.tw
URL: <http://www.aaeon.com>

LITERATURE ORDERING

Contact local office for literature requests.

Worldwide Offices

Americas

USA

California Office
324 W. Blueridge Ave, Orange, CA 92865, USA
Toll Free: +1-877-T0-AAEON (1-877-862-2366)
Tel: +1-714-996-1800
Fax: +1-714-996-1811
E-mail: sales@aaeon.com
Tech Support: tech@aaeon.com

New Jersey Office

11 Crown Plaza, Hazlet, NJ 07730-2441, USA
Toll Free: +1-888-AAEON-US (1-888-223-6687)
Tel: +1-732-203-9300
Fax: +1-732-203-9311
E-mail: sales@aaeon.com
Tech Support: tech@aaeon.com

Europe

Netherlands

AAEON EUROPE
Ekkersrijt 4002, 5692 DA SON, The Netherlands
Tel: +31(0)499-745200
Fax: +31(0)499-462010
E-mail: sales@aaeon.eu

Germany

AAEON Technology GmbH
An der Trift 65d, D-63303 Dreieich, Germany
Tel: +49(0)61033 74 79 00
Fax: +49(0)61033 74 79 49
E-mail: sales@aaeon.eu

France

AAEON France Office
LE PERIGARES A
201 RUE CARNOT, CS 80033
94127 FONTENAY SOUS BOIS CEDEX
France
Tel: +33 (0) 173 43 44 07
E-mail: sales@aaeon.eu

Asia

Japan

Japan Branch Office
408B West Wing, KSP, 3-2-1, Sakado, Takatsu-ku,
Kawasaki City, Kanagawa 213-0012 Japan
Tel: 044-712-4122
Fax: 044-712-4123
E-mail: jaychang@aaeon.com.tw

Singapore

AAEON Technology Singapore PTE LTD.
57 Genting Lane, #07-00, Singapore 349564
Tel: +65-6749-8749
Fax: +65-6746-1595
E-mail: sales@aaeon.com.sg

Asia

China

Shanghai Branch Office
20F, Unit D, GEM Building, No.487 Tianlin Road, Xuhui
District, Shanghai, China
Tel: +86-21-3367-5511
Fax: +86-21-3367-4238
E-mail: sales@aaeon.com.cn

Beijing Branch Office

Room 606-608 Block D, Jiahua Building, No.9,
Shangdi 3rd Street, Haidian District, Beijing, China
Tel: +86-10-8278-0904
Fax: +86-10-8278-0214
E-mail: sales@aaeon.com.cn

Shenzhen Branch Office

Room 1204, Jinmin Building, 6 Zizhu Road, Zhuzilin
Futian District, Shenzhen, China
Tel: +86-755-8304-7277
Fax: +86-755-8304-7272
E-mail: sales@aaeon.com.cn

Chengdu Branch Office

Room 2204, 22F, Building 6, No.666, JinCheng
Avenue, GaoXin District, Chengdu City, China
Tel: +86-13312951135
E-mail: sales@aaeon.com.cn

Wuhan Branch Office

B1501, 111 Guangu time Square Guanshan st. Wuhan
Hubei Province, China
Tel: +86-27-87606090
E-mail: sales@aaeon.com.cn

AAEON Technology (Su Zhou) Inc.

Room 12, 2F, Building B, No.5 Xing Han Street,
Suzhou Industrial Park, Jiang Su Province, China
Tel: +86-512-6762-5700
Fax: +86-512-6761-7337
E-mail: sales@aaeon.com.cn

