

AimCom

Packet Processing Development & Support Services



Highlights

Ideal for data-path applications, Altera has developed a programmable solution encompassing its FPGA and HardCopy® structured ASIC technologies.

It is a unique concept targeted to:

- reduce cost of ownership
- accelerate time to market
- decrease software complexity
- remove performance limitations of high-performance data-path applications.

One of the key areas of application for this unique development is in packet processing; for example in a QoS-aware Ethernet switch or for a next-generation DSL line card.

The flexible architecture of the solution allows it to be used for completely different applications, as well. The unique scalable features of the processor architecture enable the FPGA designer to choose the best possible mix of performance and gate count. Its interface to other blocks in the FPGA is standardized to allow re-use of existing IP blocks and stimulate easy, rapid development of new IP blocks. The development of scalable high-performance software programmable data-path applications is supported by a Windows- and Linux-based toolchain.

AimCom Offerings

To support you in developing data-path applications based on Altera's unique, software-programmable architecture, AimCom is offering several options:

- Technology license
- Design services
- Turn-key projects

- **Multitasking software in your FPGA without an operating system**
- **Scalable performance at low cost**
- **Change the behavior of your FPGA after deployment without re-programming the FPGA**
- **Applications:**
 - **Packet Processing**
 - **Complex Algorithms**
 - **... and much more**

Technology License

The technology license is purchased per project for which the software-programmable technology is used.

The license offers the following:

- software-programmable IP to be used in the solution
- Windows tools for developing and debugging application programs
- Linux tools for developing and debugging application programs
- free two-day headstart session with installation of the tools and a demonstration of the technology
- full support on the technology during your project, which means that you will get answers to your questions on the IP core and tools, have a private problem-reporting account and will have a feedback channel for your changes to the IP core and tools¹

¹ A fair use policy applies

Design Services

During your project you may need additional support, such as for developing additional IP blocks specific to your application. AimCom can help you in several ways:

- review service for your application code
- review service for your additional IP
- engineering support during requirements, development and/or testing phase
- maintenance of your completed solution or project

In general, design services costs are based on time and materials. The rates depend on the details of the work, so please contact us for more information.

Packet Processing Turn Key Projects

Using the experienced AimCom team and the support of our partner AimSys for software and hardware development, we offer turn-key solutions for:

- complete development of additional IP blocks
- complete development of application code
- complete development of FPGA contents
- complete development of a product including circuit pack and software

All development is done following our ISO9001-certified development process and, after an initial architecture phase, the project is done on a fixed price and schedule.

About AimCom

AimCom is an Altera Certified Design Center that provides design and consultancy services focused on the area of telecom networking technologies, such as SDH/SONET, Ethernet and xDSL. AimCom offers these design services specifically for FPGA and ASIC components, whereas its sister companies focus on hardware, embedded software design, and complete systems. The combined skill set represents all important aspects required for development of complete systems that meet the demanding requirements of communications, industrial and medical markets.



The information in these materials is given to describe certain component concept and shall not be considered as a guarantee of characteristics. Please note that AimCom's product information does not constitute or contain any guarantee, warranty or legal binding representation, unless expressly identified as such in duly signed writing.

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