



## **Octera / Altera Packet Processing Development and Support Services**

Octera is a design services company with wide experience of developing and supporting packet processing systems.

Altera® has developed a programmable and flexible solution for targeting packet processing applications. This solution is for use in their FPGA and HardCopy® structured ASIC technologies and is ideal for adding a dedicated network processor to data-path applications to:

- Perform complex packet processing in SW
- Have a framework to easily mix packet processing in SW and HW within the FPGA / structured ASIC
- Accelerate time to market
- Add flexibility

The solution and the supporting architecture easily scales with performance, as additional processor cores can be added with no performance penalty. In addition, a complete tool environment is available for developing and debugging the processor code.

### **Example applications where Altera's packet processing solution has been used :**

- IP DSLAM – Multiple line cards with Cyclone®
- GPON – Packet processing for 2 port LT card migrating to 4 port
- “Intelligent CPE” – Supporting legacy, current and future packet formats
- Video transcoding – Blade development for high capacity IMS
- TDM over Ethernet/IP – Line card packet processing of 252 E1 lines

### **Octera Offerings**

- Support / development of overall design architecture
- Technology overview of processor and design environment
- Licensing
- Design services

### **Evaluation phase**

To help evaluate the product, Octera will engage as needed to help define the overall architecture, evaluate performance, make HW/SW tradeoffs and step the customer through the processor architecture and tool flow.

## License

The technology license is purchased per project for which the processor is used. The license offers the following:

- Software programmable IP to be used in the solution
- Windows / Linux tools
- Start-up session including support of the tool bring up and demonstration of the technology
- Support of the technology during your project

## Octera Design Services

In addition to support, Octera can provide a full suite of Design Services:

- Design review of your RTL code and IP selections
- Engineering support during requirements, development, design and debug phase
- Development of additional IP blocks, application code
- Design review of your RTL code and IP selections



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