

**Innovaide Network Family** 

# Carrier Class Ethernet Solutions

# **Product Brief**

Applications	
<ol> <li>Carrier Ethernet triple/quad play Services</li> <li>Ethernet Services Over Sonet/SDH</li> <li>Data Center</li> </ol>	
Features	
<ul> <li>Scalable Forwarding Engine</li> <li>Provides Switched Path Ethernet Forwarding</li> <li>10.0 Gigabit/sec full duplex switching and forwarding capacity Line Rate Forwarding for 64 byte packets</li> <li>Point-to-Point (p2p) and Point-to-Multipoint (p2mp) forwarding</li> <li>Carrier Class QoS &amp; Traffic Management</li> <li>True traffic shaping with credit based schedulers</li> <li>Flexible allocation of priority queues to customers – SP, WFQ or GBR/MBR</li> <li>Maintain fairness/priority and SLAs per service in network congestion and oversubscription</li> <li>Identify and protect the network from bandwidth abusers</li> </ul>	
Benefits	
<ul> <li>Treats both SDH/Sonet and Ethernet generically         <ul> <li>same features &amp; QoS</li> </ul> </li> <li>Flexible design to implement new features</li> </ul>	

**Applications** 

# **Innovaide's Network Family Solution**

Innovaide provides a comprehensive intelligent solution for Next Generation Carrier Ethernet. The solution leverages advanced algorithms and techniques to adapt itself to the emerging requirements for Next generation triple and quad play services. The generic solution provides same features and QoS for both Ethernet and SDH/Sonet services.

#### Configurability

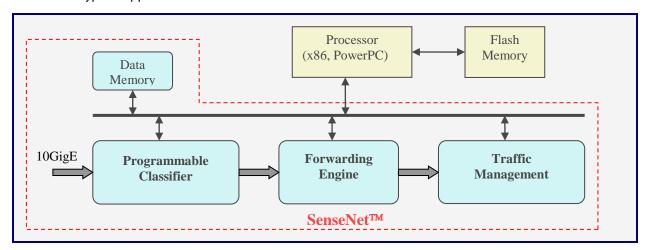
Innovaide provides an integrated solution that can be configured at functionality level as well as at feature level.

#### Flexible Solution

Innovaide provides a flexible solution that can be implemented in FPGA and ASIC. The solution includes drivers and APIs for a quick integration into existing systems.

### **Application**

The following diagram shows various SenseNet components implemented in silicon (FPGA or ASIC) for use in a typical application.



#### Innovaide Deliverables

#### ASIC / FPGA

- Verilog Source code
- Verilog test bench for block and system level design
- Test environment (C and Verilog) for System level Verification
- Test Cases in Verilog and C language for extensive simulation

#### **Application Software**

- P2P and P2MP Ethernet services over SONET/SDH and Ethernet
- Embedded management Agent to communicate with Network Management Applications
- Drivers and API's for integration with custom applications

#### **Service and Support**

- Annual support and maintenance
- On-site training and knowledge transfer
- Customization services



## **Contact Information**

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