



## **POSEDGE announces Multi-Port Gigabit Ethernet Switch IP with IEEE 1588 & Ethernet audio/visual (AV) networking Support**

**Sunnyvale, CA – May 2011, Posedge Inc.**, a leading supplier of Wired/Wireless Secure Networking Semiconductor Intellectual Property solutions provider has today announced the availability of next generation **Multi-Port Gigabit Ethernet Switch Sub-System IP** to integrate to ASICs and FPGAs.

*“Our next generation **Multi-Port Gigabit Ethernet Switch IP** is best suited for Wireless LAN Access points, Gateways, Set-top boxes in Residential and SMB Markets. It delivers blistering Gigabit performance, saves energy and provides reliability in one cost-effective, space-saving design”, said **Mr. Chakra Parvathaneni, Vice President Marketing, Posedge Inc.***

The Multi-Port Gigabit Ethernet Switch Sub-System IP is based on Wire-speed Secure Packet Processor (WSP) architecture that is scalable from 2-port 10/100 Mbps Switch to 8-Port 10/100/1000 Mbps Switch.

The field proven L2+ Switch from Posedge is enhanced to the next level to support the new features such as:

- IEEE Support for Gigabit Ethernet
- IEEE-1588 Support for time stamping
- A/V Bridging
- Priority based Flow Control
- Enhanced VLAN Support

The firmware is also enhanced to support L3 Extensions, Advanced Filtering, Snooping, and enhanced API for additional programming and configuration. Similar to the previous version, the Software is backed by a tool chain capable of Multi-Core debug and validation.

*“WSP Architecture provides very high levels of adaptation with programmable processors for classification, packet editing and functions like QoS in hardware”, added **Mr. Chakra Parvathaneni, Vice President Marketing, Posedge Inc.*** In addition the architecture is scalable from few 100 Mbps to 16 Gigabits per sec with flexibility in deployment with options like CAM based or SRAM based MAC Tables. The new features supported by the L2+ Ethernet Switch are essential for Audio / Video distribution, Power Optimization, and end-to-end performance in adverse environments.

Posedge provides, as part of the IP licensing package reference drivers, Management Processor code, and extensive customer support. The IP package consists of Verilog RTL code; self-checking OVM based test bench/test cases and elaborate documentation with functional coverage results.

Posedge also offers a suite of design services for customization and integration of the IP cores into customer's ICs or FPGAs for prototyping.

The L2+ Switch is a completely self-contained IP with proprietary bus for optimal throughput and can operate in Un-Managed Switch or Managed Switch modes. It provides flexible performance that scales with internal memory and processors and is optimal when silicon area and throughput are important and offers exceptional security and flexibility for your business' network.

### **About Posedge Inc.**

Posedge Inc., headquartered in Sunnyvale, CA, USA, is a leading supplier of Wired/Wireless Secure Networking Semiconductor Intellectual Property ("IP") solutions for SoC/FPGA. Posedge's highly differentiated product portfolio includes WLAN-802.11a/b/g/n/ac, Multi-Gigabit Routing Engine, MACsec engine, IPsec engine, SSL protocol processor, TCP Offload Engine, Multi-Gigabit Layer2+ Switch, in addition to SoC Solutions such as SD/SDIO/MMC, Non volatile memory interface and Bus Protocols. Posedge's solutions include hardware, software drivers, firmware, software stacks as applicable and the IP is augmented with leading-edge design and verification services for customization.

Founded in 2006, Posedge has 70 employees in two design centers in Sunnyvale, CA, USA and Hyderabad, India. Posedge's Semiconductor "IP" and designs services have been used by major semiconductor vendors including: Applied Micro, Broadcom, IDT, Maxim, Mindspeed, Netlogic, Zenverge and more. **For further information please visit <http://www.posedge.com>**

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