



**FOR IMMEDIATE RELEASE**

**EZchip Samples the NP-4, the World's First 100-Gigabit Network Processor, for Carrier Ethernet Applications**

**Yokneam, Israel**, January 19, 2010 -- EZchip Semiconductor Ltd. (NASDAQ:EZCH), the leader in Ethernet network processors, today announced that it is sampling its NP-4 100-Gigabit network processor (NPU). With NP-4, EZchip brings to market the highest performance programmable single-chip solution for Carrier Ethernet equipment.

NP-4 represents breakthroughs in performance and integration to enable building the next generation of high-density switch/router line cards that feature 200-400 Gigabit-per-second (Gbps) throughput and 20-40 10-Gigabit ports. The NP-4 has already been selected for use by many customers, including Tier-1 vendors, in a variety of applications. EZchip will discuss the NP-4 and have it on display along with its NPA network processors for Ethernet access applications, at the Linley Tech Carrier Ethernet Design Seminar, January 28, 2010 in San Jose, California.

NP-4 highlights include:

- 100 Gbps throughput for building 40-400 Gigabit line-cards and pizza boxes
- Integrated traffic management providing granular bandwidth control
- Enhanced support for video streams and IPTV
- On-chip control CPU for host CPU offload
- Power management for minimizing line card and system power dissipation
- Operations, Administration and Management (OAM) processing offload
- Synchronous Ethernet and IEEE1588v2 offload for Circuit Emulation Services
- IP reassembly for advanced packet processing offload
- Integrated serial ports with support for 1, 10, 40 and 100 Gigabit Ethernet
- On-chip Fabric Interface Controller for interfacing to Ethernet-based as well as proprietary switch-fabric solutions
- Utilizing DDR3 DRAM memory chips for minimizing power and cost
- Software compatible with EZchip's NP-2, NP-3 and NPA network processors

“EZchip has achieved a major industry milestone by being the first vendor to deliver a 100Gbps network processor,” said Bob Wheeler, senior analyst at The Linley Group. “In addition to enabling 100G Ethernet line cards, the NP-4 delivers excellent integration for high-density GbE and 10GbE designs.”

“We are excited to sample the NP-4, the world's first 100-Gigabit NPU. Through its exceptional performance and integration we believe that the NP-4 will dominate the high-speed NPU market for years to come,” said Eli Fruchter, President and CEO of EZchip Technologies.

“The high level of integration of the NP-4 coupled with its extensive feature set, has resulted in an excellent market response to our ground-breaking NPU. NP-4 is a true enabler for accelerating the proliferation of 10-Gigabit ports and the introduction of 100-Gigabit ports in Carrier Ethernet networks. It allows system vendors to evolve their line-cards from 80-160 Gbps to 200-400 Gbps. These line cards can then provide multiple 100-Gigabit ports or twenty to forty 10-Gigabit ports per card, bringing 10-Gigabit to par with 1-Gigabit port density,” added Mr. Fruchter.

#### **NP-4 Detailed Information**

The NP-4 product brief with technical details and application examples can be downloaded at [http://www.ezchip.com/p\\_np4.htm](http://www.ezchip.com/p_np4.htm)

#### **The Linley Group Seminar “Carrier Ethernet Design” on January 28th**

The seminar is intended for system designers, network-equipment vendors, OEMs, carriers/service providers, press, and the financial community. Attendance is free to qualified attendees who register by January 22, 2010. Go to this link to register:

[http://linleygroup.com/Seminars/carrier\\_ethernet\\_registration.html](http://linleygroup.com/Seminars/carrier_ethernet_registration.html)

#### **About EZchip**

EZchip is a fabless semiconductor company that provides Ethernet network processors for networking equipment. EZchip provides its customers with solutions that scale from 1-Gigabit to 100-Gigabits per second with a common architecture and software across all products. EZchip's network processors provide the flexibility and integration that enable triple-play data, voice and video services in systems that make up the new Carrier Ethernet networks. Flexibility and integration make EZchip's solutions are ideal for building systems for a wide range of applications in telecom networks, enterprise backbones and data centers. For more information on our company, visit the web site at <http://www.ezchip.com>.

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