



## EZchip Technologies

EZchip, Israel is a fabless semiconductor company that provides Ethernet network processors which integrate packet processing, classification search engines, traffic management and OAM (Operation, Management and Administration) offload in a single chip, at throughput rates ranging from 1-Gigabit to 200-Gigabits per second. They provide the flexibility and integration that enable triple-play data, voice and video services in systems that make up the new Carrier Ethernet networks.

EZchip has developed a new breed of network processors that integrate multiple TOPs (Task Optimized Processors) rather than generic RISC (Reduced Instruction Set Computer) processors, to provide the performance required for next-generation networking products. EZchip's breakthrough Task Optimized Processing technology (TOPcore®) employs fast, efficient and flexible processors designed and optimized for packet processing. This technology enables highly integrated chips that provide very high throughput rates.

### NPA

NPA is family of network processors targeting Ethernet Access applications with several models offering combinations of 100-Megabit, 1-Gigabit and 10-Gigabit Ethernet ports and an aggregate throughput of up to 10-Gigabits. The NPA features the same programmable processing architecture, integrated traffic management and full software compatibility with EZchip's higher-speed network processors.

There are three footprint and software compatible models (SGMII interfaces support 2.5Gbps SERDES for GPON applications):-

NPA-1 Eight 1-Gigabit Ethernet ports (SGMII/ SERDES)

NPA-2 Sixteen 1-Gigabit Ethernet ports (SGMII/ SERDES)

NPA-3 Configurable to eight 1-Gigabit Ethernet ports (SGMII/SERDES) and two 10-Gigabit Ethernet ports (XAUI); or twelve 1GE and one 10GE ports; or four 10GE ports.

The new NPA-0 is a 5-Gigabit network processor and a complete System-on-Chip (SoC) that integrates all the main functions of an access node. It offers high performance, low power, extended functionality and attractive price points.

### NP-1c

NP-1c provides fully programmable 7-layer packet classification, modification, forwarding and policing at wire speed. NP-1c is EZchip's second generation 10-Gigabit NPU and follows the NP-1 which was the first 10-Gigabit NPU introduced to the market. (Note that NP-1 and NP-1c have both reached End of Life.)

### NP-2

The NP-2 is a 20-Gigabit network processor with integrated traffic management. It offers integrated hierarchical traffic management as well as 1-Gigabit and 10-Gigabit Ethernet MACs. Scaled down version for smaller applications are also offered.

### NP-3

The NP-3 is a 30-Gigabit network processor with integrated hierarchical traffic management. It furthers the integration of EZchip's earlier NPUs with three 10-Gigabit interfaces, higher throughput, OAM processing offload and enhanced traffic management.

### NP-4

The NP-4 is a 100-Gigabit network processor, that features integrated hierarchical traffic management, OAM processing offload and enables direct connection from the line card to Ethernet-based switching fabrics. It has Integrated serial ports with support for 1, 10, 40 and 100 Gigabit Ethernet.

### NP-5

The new NP-5, is a 200-Gigabit network processor with integrated 200-Gigabit traffic management for ultra-dense 10GE, 40GE and 100GE port line cards in switches and routers.

### EZdesign Toolset

EZdesign toolset allows designers to create, verify and implement applications to meet specific functionality and performance targets. EZdesign includes a simulator, compiler, extensive debugging facilities and traffic and database generators.

### EZdriver SDK

EZdriver SDK facilitates the development of the control path software for systems based on EZchip's NPUs. It enables applications that run on the host CPU to communicate with the EZchip network processor.

### Hardware Platforms

Hardware Platforms for software applications vendors based on an EZchip network processor. The systems are provided in stand-alone, self-contained boxes with multiple 1-Gigabit ports and/or 10-Gigabit ports and can be tailored by software vendors to a wide variety of networking applications.

### Evaluation Systems

Evaluation Systems are available to expedite development of network processor based systems. Evaluation systems are available with a choice of 1GE and 10GE ports.



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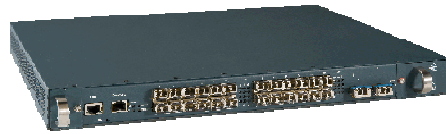
## NP-4 Evaluation System

The compact hardware platform is based on EZchip's NP-4 network processor. The 1.5U stand-alone or rack-mountable system offers a modular configuration of variety of 1-Gigabit Ethernet (SFP) and 10-Gigabit Ethernet (SFP+) ports.



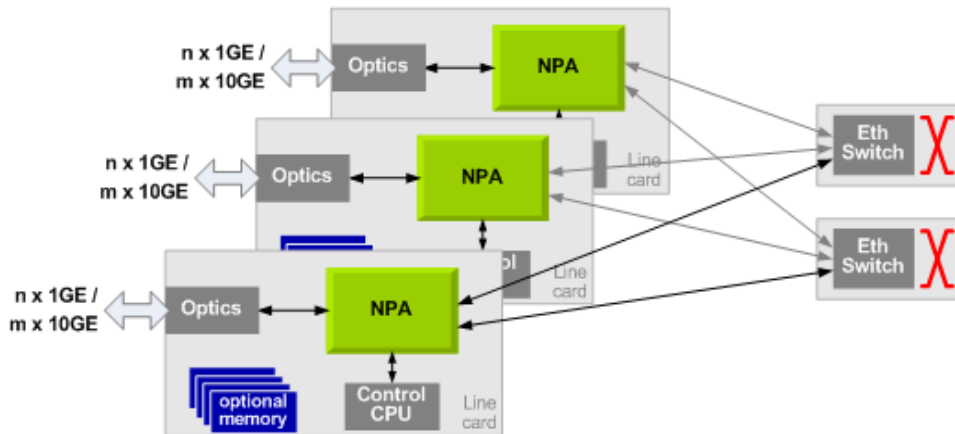
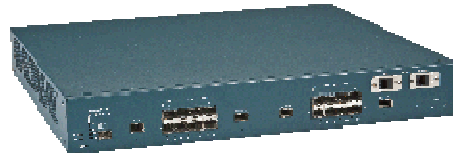
## NP-3 EZappliance

The compact hardware platform is based on EZchip's NP-3 30-Gigabit network processor. It is a powerful platform that can be utilized by EZchip's customers as a tool on which to develop and test their application-specific software and expedite the introduction of their NP-3 based systems to the market. It has 24x1GE ports and 2x10GE ports.



## NPA Evaluation System

The compact hardware platform is based on EZchip's NPA network processor. The 1.5U system offers a selection of 1-Gigabit Ethernet and 10-Gigabit Ethernet ports.



## Broadband Technology 2000 Ltd Product Areas

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- ADCs & DACs
- Ethernet NPU & NPA
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- WiMAX Modems



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