

# **EZchip Semiconductor Ltd. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis**

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## **Abstracts**

EZchip Semiconductor Ltd. Fundamental Company Report provides a complete overview of the company's affairs. All available data is presented in a comprehensive and easily accessed format. The report includes financial and SWOT information, industry analysis, opinions, estimates, plus annual and quarterly forecasts made by stock market experts. The report also enables direct comparison to be made between EZchip Semiconductor Ltd. and its competitors. This provides our Clients with a clear understanding of EZchip Semiconductor Ltd. position in the [Semiconductor](#) Industry.

The report contains detailed information about EZchip Semiconductor Ltd. that gives an unrivalled in-depth knowledge about internal business-environment of the company: data about the owners, senior executives, locations, subsidiaries, markets, products, and company history.

Another part of the report is a SWOT-analysis carried out for EZchip Semiconductor Ltd.. It involves specifying the objective of the company's business and identifies the different factors that are favorable and unfavorable to achieving that objective. SWOT-analysis helps to understand company's strengths, weaknesses, opportunities, and possible threats against it.

The EZchip Semiconductor Ltd. financial analysis covers the income statement and ratio trend-charts with balance sheets and cash flows presented on an annual and quarterly basis. The report outlines the main financial ratios pertaining to profitability, margin analysis, asset turnover, credit ratios, and

company's long-term solvency. This sort of company's information will assist and strengthen your company's decision-making processes.

In the part that describes EZchip Semiconductor Ltd. competitors and the industry in whole, the information about company's financial ratios is compared to those of its competitors and to the industry. The unique analysis of the market and company's competitors along with detailed information about the internal and external factors affecting the relevant industry will help to manage your business environment. Your company's business and sales activities will be boosted by gaining an insight into your competitors' businesses.

Also the report provides relevant news, an analysis of PR-activity, and stock price movements. The latter are correlated with pertinent news and press releases, and annual and quarterly forecasts are given by a variety of experts and market research firms. Such information creates your awareness about principal trends of EZchip Semiconductor Ltd. business.

## **About EZchip Semiconductor Ltd.**

EZchip Semiconductor Ltd., through its subsidiary, EZchip Technologies, engages in the development and marketing of Ethernet network processors for networking equipment.

### **Products**

#### **Network Processor Chips**

The NP-1c is a single-chip, full-duplex, 10-Gigabit network processor that integrates search engines. NP-1c uses a 0.13-micron chip manufacturing process.

The NP-2 is a single-chip, full-duplex, 10-Gigabit network processor. In addition to the integration of packet processing, classification search engines and MACs provided in the NP-1c, the NP-2 also includes traffic managers for improved QoS. By integrating the traffic management function directly into its network processor, the company offers its customers a network processing solution that reduces power dissipation. The NP-2 network processor is available in three models with different speeds and feature sets, which enables the NP-2 to position itself in network processor market segments not reached by the NP-1 and NP-1c.

The company has two versions of the NP-3 network processor. The first is a version developed jointly with Marvell Technology Group Ltd. (Marvell), for a networking equipment vendor. The company developed the second version independently of Marvell for the general market. It also provides traffic management and an integrated offload engine for operations, administration and maintenance, or OAM, functions which are of importance in carrier Ethernet equipment.

### Evaluation Boards and Network-processor Based Systems

The company offers systems based on its network processor. These systems also serve customers that focus and differentiate themselves through software applications and are in need of packet processing hardware platforms for their software applications. The systems the company provides use similar software environments and is different in their form factor: NP-3 EZappliance is a stand-alone, self-contained box based on the NP-3; EZsystem is a stand-alone, self-contained box based on the NP-1c and NP-2; EZ-ATCA is based on the NP-2 and follows the Telecommunications Computing Architecture; is provided as a blade that can be plugged into an AdvancedTCA chassis; and evaluation systems for NP-4 and NPA network processors in various form factors.

### Development Software Toolkits

The company, in order to facilitate its customers' adaptation of its products, offers toolkits that assist its customers in creating, verifying and implementing solutions based on its network processors. These toolkits are used for customers' product development based on all of its network processors.

The EZdesign toolkit is a software development toolset with a graphical user interface (GUI) for writing, testing and debugging programs for its network processors to implement a range of applications. It includes a hardware-software simulator, a compiler, debugger and other utilities.

EZdriver is a toolset that facilitates the development of the control path software for EZchip Technologies-based systems. It enables applications that run on the control central processing unit, or CPU, to communicate with its network processors. EZdriver consists of routines that execute on the control CPU and provide an application program interface (API) to the network processor. It includes network processor configuration, microcode loading, creation and maintenance of network-processor lookup structures, sending and receiving frames to and from the network processor, as well as

configuration and access to the network-processor statistics block.

To assist its customers in their application development, EZchip Technologies also provides customers with a library featuring source code for a range of applications. These include Metro Ethernet protocols, MPLS (Multi-Protocol Label Switching), IPv4 and IPv6 routing, ACL (Access Control Lists), Network Address Translation and Server Load Balancing. New code is periodically added to this library.

### Sales and Marketing

The company has sales and support offices in California and Massachusetts, as well as local support in China.

### Customers

The company's customers are vendors of networking equipment to which it sells directly or through contract manufacturers or distributors. Its major customers include Juniper Networks, and Marvell Technology Group Ltd.

### History

EZchip Semiconductor Ltd. was incorporated in 1989.

The above Company Fundamental Report is a half-ready report and contents are subject to change.

It means that we have all necessary data in our database to prepare the report but need **2-3 days** to complete it. During this time we are also updating the report with respect to the current moment. So, you can get all the most recent data available for the same price. Please note that preparation of additional types of analyses requires extra time.

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## ANALYSIS FEATURES

### SWOT Analysis

SWOT, which stands for Strengths, Weaknesses, Opportunities and Threats, is an analytical framework that identifies the internal and external factors that are favorable and unfavorable for a company.

### Enhanced SWOT Analysis

Enhanced SWOT is a 3×3 grid that arranges strengths, weaknesses, opportunities and threats into one scheme:

How to use the strengths to take advantage of the opportunities?

How to use the strengths to reduce likelihood and impact of the threats?

How to overcome the weaknesses that obstruct taking advantage of the opportunities?

How to overcome the weaknesses that can make the threats a reality?

Upon answering these questions a company can develop a project plan to improve its business performance.

### PESTEL Analysis

PESTEL (also termed as PESTLE) is an ideal tool to strategically analyze what influence different outside factors – political, economic, sociocultural, technological, environmental and legal – exert on a business to later chart its long term targets.

Being part of the external analysis when carrying out a strategic assessment or performing a market study, PESTEL gives an overview of diverse macro-environmental factors that any company should thoughtfully consider. By perceiving these outside environments, businesses can maximally benefit from the opportunities while minimizing the threats to the organization.

### Key Factors Examined by PESTEL Analysis:

**Political** – What opportunities and pressures are brought by political bodies and what is the degree of public regulations' impact on the business?

**Economic** – What economic policies, trends and structures are expected to affect the organization, what is this influence's degree?

**Sociological** – What cultural and societal aspects will work upon the demand for the business's products and operations?

**Technological** – What impact do the technological aspects, innovations, incentives and barriers have on the organization?

**Environmental** – What environmental and ecological facets, both locally and farther afield, are likely to predetermine the business?

**Legal** – What laws and legislation will exert influence on the style the business is carried out?

### IFE, EFE, IE Matrices

The Internal Factor Evaluation matrix (IFE matrix) is a strategic management tool helping audit or evaluate major weaknesses and strengths in a business's functional areas. In addition, IFE matrix serves as a basis for identifying and assessing relationships amongst those areas. The IFE matrix is utilised in strategy formulation.

The External Factor Evaluation matrix (EFE matrix) is a tool of strategic management that is typically utilised to assess current market conditions. It is an ideal instrument for visualising and prioritising the threats and opportunities a firm is facing.

The essential difference between the above mentioned matrices lies in the type of factors incorporated in the model; whilst the latter is engaged in internal factors, the former deals exceptionally with external factors – those exposed to social, political, economic, legal, etc. external forces.

Being a continuation of the EFE matrix and IFE matrix models, the Internal External matrix (IE matrix) rests upon an investigation of external and internal business factors

integrated into one suggestive model.

## **Porter Five Forces Analysis**

The Porter's five forces analysis studies the industry of operation and helps the company find new sources of competitive advantage. The analysis surveys an industry through five major questions:

What composes a threat of substitute products and services?

Is there a threat of new competitors entering the market?

What is the intensity of competitive rivalry?

How big is the bargaining power of buyers?

How significant is the bargaining power of suppliers?

## **VRIO Analysis**

VRIO stands for Value, Rarity, Imitability, Organization. This analysis helps to evaluate all company's resources and capabilities and bring them together into one aggregate table that includes:

Tangible resources

Financial

Physical

Technological

Organizational

Intangible resources

Human

Innovation and Creativity

Reputation

Organizational capabilities

The result of the analysis gives a clear picture of company's competitive and economic implications, answering the questions if the resources mentioned above are:

Valuable?

Rare?

Costly to imitate?

Organized properly?

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