

# Altera Corp. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis

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## **Abstracts**

Altera Corp. 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 Altera Corp. and its competitors. This provides our Clients with a clear understanding of Altera Corp. position in the <u>Semiconductor</u> Industry.

The report contains detailed information about Altera Corp. 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 Altera Corp.. 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 Altera Corp. financial analysis covers the income statement and ratio trendcharts 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 Altera Corp. 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 Altera Corp. business.

### About Altera Corp.

Altera Corporation, a global semiconductor company, engages in the design, manufacture, and marketing of programmable logic devices (PLDs); application-specific integrated circuit (ASIC) devices; pre-defined design building blocks known as intellectual property (IP) cores; and proprietary development software.

The company serves approximately 12,000 customers within the telecom and wireless, industrial automation, military and auto, networking, computer and storage, and other market segments. The other market segment includes sub-segments of broadcast, consumer, medical, and test.

### Products

The company's products consist primarily of devices, IP cores, and proprietary development tools.

### DEVICES

The company's devices fall into the following four categories, spanning multiple architectures and families with various product options: field-programmable gate arrays (FPGAs); complex programmable logic devices (CPLDs); HardCopy ASICs; and



configuration devices that store the programming code for its FPGAs.

Stratix III and Stratix IV High-End, System-Level FPGAs: The company's Stratix product families are built using advanced CMOS process technology and address a range of applications requiring system integration across its markets.

Arria and Arria II GX Mid-Range, Transceiver-Equipped FPGAs: The company's Arria product families are built using advanced CMOS process technology and enable a transceiver-based design for applications requiring data transfer protocols. Arria II GX FPGAs offer signal integrity with data transfer rates of approximately3.75 Gbps.

Cyclone III and Cyclone IV Low-Cost FPGAs: The company's Cyclone product families are built using advanced CMOS process technology. Its Cyclone III and Cyclone IV FPGAs use low-power process technology to meet market requirements for low power consumption. Additionally, its Cyclone IV GX FPGAs incorporate approximately eight integrated transceivers with data rates approximately 3.125 Gbps.

MAX II CPLDs: The company's MAX families are instant-on, non-volatile CPLDs that are used in high-speed glue logic functions for a range of electronics equipment. 'Glue logic' permits multiple subsystem components to interact. For the low-power and battery-operated portable applications, its MAX IIZ CPLDs offer microamp standby current in ultra-small-chip packaging.

HardCopy ASICs: The company's HardCopy ASICs offer customers a migration path from high density FPGA families to a ASIC for high-volume production.

### INTELLECTUAL PROPERTY CORES

IP cores are pre-verified building blocks that execute system-level functions. Customers integrate IP cores in their PLD designs with its proprietary development software. Soft IP cores available for use in its devices include its Nios series of embedded processors, its portfolio of MegaCore functions that the company licenses to its customers, and its Altera Megafunction Partners Program (AMPPSM) cores, which are pre-verified by the company and licensed to its customers by third parties.

The Nios series of embedded processors use a reduced instruction-set computing (RISC) architecture and can be used in its FPGAs and HardCopy ASIC devices. The company offers a range of soft IP cores for DSP algorithms, bus interfaces, memory controllers, telecommunications, data communications, microprocessors, and



peripherals.

### DEVELOPMENT TOOLS

The company's proprietary development tools, consisting primarily of the Quartus II software, are used for design entry, design compilation, design verification, and device programming. Designers can use its development tools on various computing platforms, including Microsoft Windows, UNIX (including Solaris and HP-UX), and Linux operating environments with built-in interfaces to various EDA tools offered by Cadence Design Systems, Inc., Mentor Graphics Corporation, and Synopsys, Inc.

### Sales Offices

The company has domestic sales offices in major metropolitan areas throughout the United States, and it maintains international sales support offices in Bangalore, Beijing, Cork, Chengdu, Helsinki, Hong Kong, London, Munich, Osaka, Ottawa, Paris, Seoul, Shanghai, Shenzhen, Singapore, Stockholm, Taipei, Tokyo, Toronto, and Turin.

### **Customers and Distributors**

The company sells its products to original equipment manufacturers (OEMs) and to electronic components distributors who resell these products to OEMs, or their subcontract manufacturers. Its major OEM customer is Huawei Technologies Co., Ltd. Its major distributors are Arrow Electronics, Inc. and Macnica, Inc.

### Suppliers

The company purchases its silicon wafers from Taiwan Semiconductor Manufacturing Company (TSMC), an independent semiconductor foundry. It purchases almost all of its assembly services from Amkor Electronics, Inc., in Korea and the Philippines, and Advanced Semiconductor Engineering, Inc. (ASE) in Malaysia and Taiwan.

### Competition

The company identifies competition from semiconductor companies, such as International Business Machines Corp.; NEC Corporation; Toshiba Semiconductor Company; LSI Logic Corporation; Texas Instruments Inc.; Freescale Semiconductor Inc.; and Microchip Technology Inc. It also identifies competition from Xilinx, Inc.; Lattice Semiconductor Corporation; and Actel Corporation.



History

Altera Corporation was founded in 1983.

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.

Altera Corp. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis



## **Contents**

### RESEARCH METHODOLOGY

DISCLAIMER

### **1. ALTERA CORP. COMPANY PROFILE**

- 1.1. Key facts
- 1.2. Financial Performance
- 1.3. Key Executives
- 1.4. Ownership and Major Holders
- 1.5. Company History

### 2. ALTERA CORP. BUSINESS OVERVIEW

- 2.1. Business Description
- 2.2. Major Products and Services
- 2.3. Markets and Sales Activities
- 2.4. Locations, Subsidiaries, Operating Units

### 3. ALTERA CORP. SWOT ANALYSIS

- 3.1. Overview
- 3.2. Strengths
- 3.3. Weaknesses
- 3.4. Opportunities
- 3.5. Threats

### 4. ALTERA CORP. FINANCIAL ANALYSIS

- 4.1. Financial Statements
- 4.1.1. Income Statement
- 4.1.2. Balance Sheet
- 4.1.3. Cash Flow
- 4.2. Financial Ratios
- 4.2.1. Profitability
- 4.2.2. Margin Analysis



- 4.2.3. Asset Turnover
- 4.2.4. Credit Ratios
- 4.2.5. Long-Term Solvency
- 4.2.6. Growth Over Prior Year
- 4.2.7. Financial Ratios Charts
- 4.3. Stock Market Snapshot

### 5. ALTERA CORP. COMPETITORS AND INDUSTRY ANALYSIS

- 5.1. Altera Corp. Direct Competitors
- 5.2. Comparison of Altera Corp. and Direct Competitors Financial Ratios
- 5.3. Comparison of Altera Corp. and Direct Competitors Stock Charts
- 5.4. Altera Corp. Industry Analysis
- 5.4.1. Semiconductor Industry Snapshot
- 5.4.2. Altera Corp. Industry Position Analysis

### 6. ALTERA CORP. NEWS & EVENTS

- 6.1. News & PR Activity Analysis
- 6.2. IR Corporate News
- 6.3. Marketing News
- 6.4. Corporate Events

### 7. ALTERA CORP. EXPERTS REVIEW<sup>1</sup>

- 7.1. Experts Consensus
- 7.2. Experts Revisions

### 8. ALTERA CORP. ENHANCED SWOT ANALYSIS<sup>2</sup>

### 9. UNITED STATES PESTEL ANALYSIS<sup>2</sup>

- 9.1. Political Factors
- 9.2. Economic Factors
- 9.3. Social Factors
- 9.4. Technological Factors
- 9.5. Environmental Factors
- 9.6. Legal Factors



### **10. ALTERA CORP. IFE, EFE, IE MATRICES**<sup>2</sup>

- 10.1. Internal Factor Evaluation Matrix
- 10.2. External Factor Evaluation Matrix
- 10.3. Internal External Matrix

### 11. ALTERA CORP. PORTER FIVE FORCES ANALYSIS<sup>2</sup>

### 12. ALTERA CORP. VRIO ANALYSIS<sup>2</sup>

### **APPENDIX: RATIO DEFINITIONS**

### LIST OF FIGURES

Altera Corp. Annual Revenues in Comparison with Cost of Goods Sold and Gross Profit Profit Margin Chart Operating Margin Chart Return on Equity (ROE) Chart Return on Assets (ROA) Chart Debt to Equity Chart Current Ratio Chart Altera Corp. 1-year Stock Charts Altera Corp. 5-year Stock Charts Altera Corp. vs. Main Indexes 1-year Stock Chart Altera Corp. vs. Direct Competitors 1-year Stock Charts Altera Corp. Article Density Chart

1 – Data availability depends on company's security policy.

2 - These sections are available only when you purchase a report with appropriate additional types of analyses.

The complete financial data is available for publicly traded companies.



## **List Of Tables**

### LIST OF TABLES

Altera Corp. Key Facts Profitability Management Effectiveness **Income Statement Key Figures Balance Sheet Key Figures Cash Flow Statement Key Figures Financial Performance Abbreviation Guide** Altera Corp. Key Executives Altera Corp. Major Shareholders Altera Corp. History Altera Corp. Products Revenues by Segment Revenues by Region Altera Corp. Offices and Representations Altera Corp. SWOT Analysis Yearly Income Statement Including Trends Income Statement Latest 4 Quarters Including Trends Yearly Balance Sheet Including Trends Balance Sheet Latest 4 Quarters Including Trends Yearly Cash Flow Including Trends Cash Flow Latest 4 Quarters Including Trends Altera Corp. Profitability Ratios Margin Analysis Ratios Asset Turnover Ratios **Credit Ratios** Long-Term Solvency Ratios Financial Ratios Growth Over Prior Year Altera Corp. Capital Market Snapshot Altera Corp. Direct Competitors Key Facts **Direct Competitors Profitability Ratios Direct Competitors Margin Analysis Ratios Direct Competitors Asset Turnover Ratios Direct Competitors Credit Ratios Direct Competitors Long-Term Solvency Ratios** Semiconductor Industry Statistics



Altera Corp. Industry Position Company vs. Industry Income Statement Analysis Company vs. Industry Balance Sheet Analysis Company vs. Industry Cash Flow Analysis Company vs. Industry Ratios Comparison Altera Corp. Consensus Recommendations<sup>1</sup> Analyst Recommendation Summary<sup>1</sup> Price Target Summary<sup>1</sup> Experts Recommendation Trends<sup>1</sup> Revenue Estimates Analysis<sup>1</sup> Earnings Estimates Analysis<sup>1</sup> Historical Surprises<sup>1</sup> Revenue Estimates Trend<sup>1</sup> Earnings Estimates Trend<sup>1</sup> Earnings Estimates Trend<sup>1</sup> Revenue Revisions<sup>1</sup>



## **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.

Altera Corp. Fundamental Company Report Including Financial, SWOT, Competitors and Industry Analysis



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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