

North America Digital Signal Processor Market (2019-2025)

<https://marketpublishers.com/r/N3C12CA75F6EEN.html>

Date: January 2020

Pages: 115

Price: US\$ 1,500.00 (Single User License)

ID: N3C12CA75F6EEN

Abstracts

The North America Digital Signal Processor Market would witness market growth of 7.6% CAGR during the forecast period (2019-2025).

The digital signal processor can be understood as an expert microprocessor that processes digital data through mathematical manipulation in order to analyze the information contained therein. Digital signal processor processes data in real-time, ensures repeatability, high data throughput, optimal and accurate output and is reprogrammable by software. The use of digital signal processing is not restricted only to consumer electronics; DSPs are also commonly used in the automotive sector. The manufacturing of vehicle parts and vehicle surveillance equipment, in particular by location-based service providers, has expanded the use of digital signal processing. Indeed, the producers of automotive equipment have significantly boosted the growth of the international DSP industry.

In addition to augmenting the competence of the DSP market, the increasing demand for technologically advanced digital signal processing has allowed access to different applications. Furthermore, the increased use of DSP chips in the customer electronics industry has encouraged the wide-ranging acceptance of digital signal processing. Of all the different types among digital cameras, printers, consumer electronics, and set-top boxes, the highly saleable ones have promoted the growing use of digital signal processing.

Based on Core Type, the market is segmented into Multi Core and Single Core. Based on Type, the market is segmented into DSP Multiprocessors on a die, 32-bit Floating Point and 16-bit Fixed Point. Based on End User, the market is segmented into Consumer Electronics, Aerospace & Defense, Automotive, Manufacturing, Healthcare

and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Analog Devices, Inc., Broadcom, Inc., Infineon Technologies AG, NXP Semiconductors N.V., Qualcomm, Inc., Samsung Electronics Co., Ltd. (Samsung Group), STMicroelectronics N.V., Texas Instruments, Inc., Toshiba Corporation and Xilinx, Inc.

SCOPE OF THE STUDY

Market Segmentation:

By Core Type

Multi Core

Single Core

By Type

DSP Multiprocessors on a die

32-bit Floating Point

16-bit Fixed Point

By End User

Consumer Electronics

Aerospace & Defense

Automotive

Manufacturing

Healthcare

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Analog Devices, Inc.

Broadcom, Inc.

Infineon Technologies AG

NXP Semiconductors N.V.

Qualcomm, Inc.

Samsung Electronics Co., Ltd. (Samsung Group)

STMicroelectronics N.V.

Texas Instruments, Inc.

Toshiba Corporation

Xilinx, Inc.

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Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
 - 1.4.1 North America Digital Signal Processor Market, by Core Type
 - 1.4.2 North America Digital Signal Processor Market, by Type
 - 1.4.3 North America Digital Signal Processor Market, by End User
 - 1.4.4 North America Digital Signal Processor Market, by Country
- 1.5 Methodology for the research

CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
 - 2.1.1 Overview
 - 2.1.2 Executive Summary
 - 2.1.3 Market Composition and Scenario
- 2.2 Key Factors Impacting the Market
 - 2.2.1 Market Drivers
 - 2.2.2 Market Restraints

CHAPTER 3. COMPETITION ANALYSIS - GLOBAL

- 3.1 KBV Cardinal Matrix
- 3.2 Recent Industry Wide Strategic Developments
 - 3.2.1 Partnerships, Collaborations and Agreements
 - 3.2.2 Product Launches and Product Expansions
 - 3.2.3 Geographical Expansions
 - 3.2.4 Mergers & Acquisitions
- 3.3 Top Winning Strategies
 - 3.3.1 Key Leading Strategies: Percentage Distribution (2015-2019)
 - 3.3.2 Key Strategic Move: (Product Launches and Product Expansions: 2020-Jan – 2015-Feb) Leading Players

CHAPTER 4. NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE

- 4.1 North America Multi Core Digital Signal Processor Market by Country
- 4.2 North America Single Core Digital Signal Processor Market by Country

CHAPTER 5. NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY TYPE

- 5.1 North America DSP Multiprocessors on a die Market by Country
- 5.2 North America 32-bit Floating Point Digital Signal Processor Market by Country
- 5.3 North America 16-bit Fixed Point Digital Signal Processor Market by Country

CHAPTER 6. NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY END USER

- 6.1 North America Consumer Electronics Digital Signal Processor Market by Country
- 6.2 North America Aerospace & Defense Digital Signal Processor Market by Country
- 6.3 North America Automotive Digital Signal Processor Market by Country
- 6.4 North America Manufacturing Digital Signal Processor Market by Country
- 6.5 North America Healthcare Digital Signal Processor Market by Country
- 6.6 North America Others Digital Signal Processor Market by Country

CHAPTER 7. NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY

- 7.1 US Digital Signal Processor Market
 - 7.1.1 US Digital Signal Processor Market by Core Type
 - 7.1.2 US Digital Signal Processor Market by Type
 - 7.1.3 US Digital Signal Processor Market by End User
- 7.2 Canada Digital Signal Processor Market
 - 7.2.1 Canada Digital Signal Processor Market by Core Type
 - 7.2.2 Canada Digital Signal Processor Market by Type
 - 7.2.3 Canada Digital Signal Processor Market by End User
- 7.3 Mexico Digital Signal Processor Market
 - 7.3.1 Mexico Digital Signal Processor Market by Core Type
 - 7.3.2 Mexico Digital Signal Processor Market by Type
 - 7.3.3 Mexico Digital Signal Processor Market by End User
- 7.4 Rest of North America Digital Signal Processor Market
 - 7.4.1 Rest of North America Digital Signal Processor Market by Core Type
 - 7.4.2 Rest of North America Digital Signal Processor Market by Type
 - 7.4.3 Rest of North America Digital Signal Processor Market by End User

CHAPTER 8. COMPANY PROFILES

8.1 Analog Devices, Inc.

8.1.1 Company Overview

8.1.2 Financial Analysis

8.1.3 Segmental and Regional Analysis

8.1.4 Research & Development Expenses

8.1.5 Recent strategies and developments:

8.1.5.1 Product Launches and Product Expansions:

8.1.5.2 Geographical Expansions:

8.1.5.3 Acquisition and Mergers:

8.1.6 SWOT Analysis

8.2 Broadcom, Inc.

8.2.1 Company Overview

8.2.1 Financial Analysis

8.2.2 Segmental and Regional Analysis

8.2.3 Research & Development Expense

8.2.4 Recent strategies and developments:

8.2.4.1 Partnerships, Collaborations, and Agreements:

8.2.4.2 Product Launches and Product Expansions:

8.2.5 SWOT Analysis

8.3 Infineon Technologies AG

8.3.1 Company Overview

8.3.2 Financial Analysis

8.3.3 Segmental and Regional Analysis

8.3.4 Research & Development Expense

8.3.5 Recent strategies and developments:

8.3.5.1 Partnerships, Collaborations, and Agreements:

8.3.6 SWOT Analysis

8.4 NXP Semiconductors N.V.

8.4.1 Company Overview

8.4.2 Financial Analysis

8.4.3 Segmental and Regional Analysis

8.4.4 Research & Development Expense

8.4.5 Recent strategies and developments:

8.4.5.1 Partnerships, Collaborations, and Agreements:

8.4.5.2 Product Launches and Product Expansions:

8.4.6 SWOT Analysis

8.5 Qualcomm, Inc.

8.5.1 Company Overview

8.5.2 Financial Analysis

8.5.3 Segmental and Regional Analysis

8.5.4 Research & Development Expense

8.5.5 Recent strategies and developments:

8.5.5.1 Product Launches and Product Expansions:

8.5.6 SWOT Analysis

8.6 Samsung Electronics Co., Ltd. (Samsung Group)

8.6.1 Company Overview

8.6.2 Financial Analysis

8.6.3 Segmental and Regional Analysis

8.6.4 Research & Development Expense

8.6.5 Recent strategies and developments:

8.6.5.1 Product Launches and Product Expansions:

8.6.5.2 Partnerships, Collaborations, and Agreements:

8.6.6 SWOT Analysis

8.7 STMicroelectronics N.V.

8.7.1 Company Overview

8.7.2 Financial Analysis

8.7.3 Segmental and Regional Analysis

8.7.4 Research & Development Expense

8.7.5 Recent strategies and developments:

8.7.5.1 Product Launches and Product Expansions:

8.7.6 SWOT Analysis

8.8 Texas Instruments, Inc.

8.8.1 Company Overview

8.8.2 Financial Analysis

8.8.3 Segmental and Regional Analysis

8.8.4 Research & Development Expense

8.8.5 Recent strategies and developments:

8.8.5.1 Product Launches and Product Expansions:

8.8.6 SWOT Analysis

8.9 Toshiba Corporation

8.9.1 Company Overview

8.9.2 Financial Analysis

8.9.3 Segmental and Regional Analysis

8.9.4 Research and Development Expense

8.9.5 Recent strategies and developments:

8.9.5.1 Partnerships, Collaborations, and Agreements:

8.9.6 SWOT Analysis

8.1 Xilinx, Inc.

8.10.1 Company Overview

8.10.2 Financial Analysis

8.10.3 Regional Analysis

8.10.4 Research & Development Expense

8.10.5 Recent strategies and developments:

8.10.5.1 Product Launches and Product Expansions:

8.10.5.2 Partnerships, Collaborations, and Agreements:

List Of Tables

LIST OF TABLES

TABLE 1 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET, 2015 - 2018, USD MILLION

TABLE 2 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET, 2019 - 2025, USD MILLION

TABLE 3 PARTNERSHIPS, COLLABORATIONS AND AGREEMENTS– DIGITAL SIGNAL PROCESSORS MARKET

TABLE 4 PRODUCT LAUNCHES AND PRODUCT EXPANSIONS– DIGITAL SIGNAL PROCESSORS MARKET

TABLE 5 GEOGRAPHICAL EXPANSIONS– DIGITAL SIGNAL PROCESSORS MARKET

TABLE 6 MERGERS & ACQUISITIONS – DIGITAL SIGNAL PROCESSORS MARKET

TABLE 7 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2015 - 2018, USD MILLION

TABLE 8 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2019 - 2025, USD MILLION

TABLE 9 NORTH AMERICA MULTI CORE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 10 NORTH AMERICA MULTI CORE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 11 NORTH AMERICA SINGLE CORE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 12 NORTH AMERICA SINGLE CORE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 13 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 14 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 15 NORTH AMERICA DSP MULTIPROCESSORS ON A DIE MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 16 NORTH AMERICA DSP MULTIPROCESSORS ON A DIE MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 17 NORTH AMERICA 32-BIT FLOATING POINT DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 18 NORTH AMERICA 32-BIT FLOATING POINT DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 19 NORTH AMERICA 16-BIT FIXED POINT DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 20 NORTH AMERICA 16-BIT FIXED POINT DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 21 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 22 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 23 NORTH AMERICA CONSUMER ELECTRONICS DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 24 NORTH AMERICA CONSUMER ELECTRONICS DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 25 NORTH AMERICA AEROSPACE & DEFENSE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 26 NORTH AMERICA AEROSPACE & DEFENSE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 27 NORTH AMERICA AUTOMOTIVE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 28 NORTH AMERICA AUTOMOTIVE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 29 NORTH AMERICA MANUFACTURING DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 30 NORTH AMERICA MANUFACTURING DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 31 NORTH AMERICA HEALTHCARE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 32 NORTH AMERICA HEALTHCARE DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 33 NORTH AMERICA OTHERS DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 34 NORTH AMERICA OTHERS DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 35 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2015 - 2018, USD MILLION

TABLE 36 NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY COUNTRY, 2019 - 2025, USD MILLION

TABLE 37 US DIGITAL SIGNAL PROCESSOR MARKET, 2015 - 2018, USD MILLION

TABLE 38 US DIGITAL SIGNAL PROCESSOR MARKET, 2019 - 2025, USD MILLION

TABLE 39 US DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2015 -

2018, USD MILLION

TABLE 40 US DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2019 - 2025, USD MILLION

TABLE 41 US DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 42 US DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 43 US DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 44 US DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 45 CANADA DIGITAL SIGNAL PROCESSOR MARKET, 2015 - 2018, USD MILLION

TABLE 46 CANADA DIGITAL SIGNAL PROCESSOR MARKET, 2019 - 2025, USD MILLION

TABLE 47 CANADA DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2015 - 2018, USD MILLION

TABLE 48 CANADA DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2019 - 2025, USD MILLION

TABLE 49 CANADA DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 50 CANADA DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 51 CANADA DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 52 CANADA DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 53 MEXICO DIGITAL SIGNAL PROCESSOR MARKET, 2015 - 2018, USD MILLION

TABLE 54 MEXICO DIGITAL SIGNAL PROCESSOR MARKET, 2019 - 2025, USD MILLION

TABLE 55 MEXICO DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2015 - 2018, USD MILLION

TABLE 56 MEXICO DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2019 - 2025, USD MILLION

TABLE 57 MEXICO DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 58 MEXICO DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 59 MEXICO DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 60 MEXICO DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 61 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET, 2015 - 2018, USD MILLION

TABLE 62 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET, 2019 - 2025, USD MILLION

TABLE 63 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2015 - 2018, USD MILLION

TABLE 64 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY CORE TYPE, 2019 - 2025, USD MILLION

TABLE 65 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2015 - 2018, USD MILLION

TABLE 66 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY TYPE, 2019 - 2025, USD MILLION

TABLE 67 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2015 - 2018, USD MILLION

TABLE 68 REST OF NORTH AMERICA DIGITAL SIGNAL PROCESSOR MARKET BY END USER, 2019 - 2025, USD MILLION

TABLE 69 KEY INFORMATION – ANALOG DEVICES, INC.

TABLE 70 KEY INFORMATION – BROADCOM, INC.

TABLE 71 KEY INFORMATION – INFINEON TECHNOLOGIES AG

TABLE 72 KEY INFORMATION – NXP SEMICONDUCTORS N.V.

TABLE 73 KEY INFORMATION – QUALCOMM, INC.

TABLE 74 KEY INFORMATION –SAMSUNG ELECTRONICS CO., LTD.

TABLE 75 KEY INFORMATION – STMICROELECTRONICS N.V.

TABLE 76 KEY INFORMATION – TEXAS INSTRUMENTS, INC.

TABLE 77 KEY INFORMATION – TOSHIBA CORPORATION

TABLE 78 KEY INFORMATION – XILINX, INC.

List Of Figures

LIST OF FIGURES

FIG 1 METHODOLOGY FOR THE RESEARCH

FIG 2 KBV CARDINAL MATRIX

FIG 3 KEY LEADING STRATEGIES: PERCENTAGE DISTRIBUTION (2015-2019)

FIG 4 KEY STRATEGIC MOVE: (PRODUCT LAUNCHES AND PRODUCT EXPANSIONS: 2020-JAN – 2015-FEB) LEADING PLAYERS

FIG 5 RECENT STRATEGIES AND DEVELOPMENTS: ANALOG DEVICES, INC.

FIG 6 SWOT ANALYSIS: ANALOG DEVICES, INC.

FIG 7 RECENT STRATEGIES AND DEVELOPMENTS: BROADCOM, INC.

FIG 8 SWOT ANALYSIS: BROADCOM, INC.

FIG 9 SWOT ANALYSIS: INFINEON TECHNOLOGIES AG

FIG 10 RECENT STRATEGIES AND DEVELOPMENTS: NXP SEMICONDUCTORS N.V.

FIG 11 SWOT ANALYSIS: NXP SEMICONDUCTORS N.V.

FIG 12 SWOT ANALYSIS: QUALCOMM, INC.

FIG 13 RECENT STRATEGIES AND DEVELOPMENTS: SAMSUNG ELECTRONICS CO., LTD. (SAMSUNG GROUP)

FIG 14 SWOT ANALYSIS: SAMSUNG ELECTRONICS CO. LTD.

FIG 15 SWOT ANALYSIS: STMICROELECTRONICS N.V.

FIG 16 SWOT ANALYSIS: TEXAS INSTRUMENTS, INC.

FIG 17 SWOT ANALYSIS: TOSHIBA CORPORATION

FIG 18 RECENT STRATEGIES AND DEVELOPMENTS: XILINX, INC.

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