

Global Neuromorphic Computing Market Size study, by Application (Signal Processing, Image Processing, Data Processing, Object Detection), by End Use (Consumer Electronics, Automotive, Healthcare, Military & Defense), and by Regional Forecasts 2018-2025

<https://marketpublishers.com/r/G8C7DBB9F5EEN.html>

Date: August 2018

Pages: 120

Price: US\$ 3,150.00 (Single User License)

ID: G8C7DBB9F5EEN

Abstracts

Global Neuromorphic Computing Market to reach USD 8.9 billion by 2025.

Global Neuromorphic Computing Market valued approximately USD 1.6 billion in 2016 is anticipated to grow with a healthy growth rate of more than 21% over the forecast period 2017-2025. The major factors driving the growth of the market include growth in the sensors market; rising demand for artificial intelligence and machine learning; increasing adoption of software in applications such as continuous online learning, real-time data streaming, predictive analysis, and data modelling; need for better performing ICs; growing demand for neuromorphic computing in applications such as video monitoring, machine vision, and voice identification; and the end of Moore's law leading to new ways of computing. The emerging trend of combining neuroscience computation and embodied models has led to an upsurge in demand for design and development of neuromorphic chips for brain-based robots and cognitive robots. Rising need for machine learning tools has further contributed to industry expansion.

North America is the largest and rapidly growing market for neuromorphic computing due to the initiatives taken by major chip designing companies such as IBM Corporation (U.S.), Intel (U.S.), and General Vision (U.S.). The global industry is expected to gain momentum in Asia Pacific and South America due to growing demand for automation in emerging nations such as China, India, and Brazil.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Application:

Signal Processing

Image Processing

Data Processing

Object Detection

By End Use:

Consumer Electronics

Automotive

Healthcare

Military & Defence

By Regions:

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2015, 2016

Base year – 2017

Forecast period – 2018 to 2025

The industry is seeming to be fairly competitive. Some of the leading market players include IBM Corporation, Hewlett Packard, Samsung Electronics co Ltd., Intel Corporation, Qualcomm Inc., Brain Corporation, General Vision Inc., HRL Laboratories, Vicarious, CEA-Leti and so on. Acquisitions and effective mergers are some of the strategies adopted by the key manufacturers. New product launches and continuous

technological innovations are the key strategies adopted by the major players.

Target Audience of the Global Neuromorphic Computing Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. GLOBAL NEUROMORPHIC COMPUTING MARKET DEFINITION AND SCOPE

- 1.1. Research Objective
- 1.2. Market Definition
- 1.3. Scope of The Study
- 1.4. Years Considered for The Study
- 1.5. Currency Conversion Rates
- 1.6. Report Limitation

CHAPTER 2. RESEARCH METHODOLOGY

- 2.1. Research Process
 - 2.1.1. Data Mining
 - 2.1.2. Analysis
 - 2.1.3. Market Estimation
 - 2.1.4. Validation
 - 2.1.5. Publishing
- 2.2. Research Assumption

CHAPTER 3. EXECUTIVE SUMMARY

- 3.1. Global & Segmental Market Estimates & Forecasts, 2015-2025 (USD Billion)
- 3.2. Key Trends

CHAPTER 4. GLOBAL NEUROMORPHIC COMPUTING MARKET DYNAMICS

- 4.1. Growth Prospects
 - 4.1.1. Drivers
 - 4.1.2. Restraints
 - 4.1.3. Opportunities
- 4.2. Industry Analysis
 - 4.2.1. Porter's 5 Force Model
 - 4.2.2. PEST Analysis
 - 4.2.3. Value Chain Analysis
- 4.3. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL NEUROMORPHIC COMPUTING MARKET, BY APPLICATION

- 5.1. Market Snapshot
- 5.2. Market Performance - Potential Model
- 5.3. Global Neuromorphic Computing Market, Sub Segment Analysis
 - 5.3.1. Signal Processing
 - 5.3.1.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 5.3.1.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 5.3.2. Image Processing
 - 5.3.2.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 5.3.2.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 5.3.3. Data Processing
 - 5.3.3.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 5.3.3.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 5.3.4. Object Detection
 - 5.3.4.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 5.3.4.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)

CHAPTER 6. GLOBAL NEUROMORPHIC COMPUTING MARKET, BY END-USE

- 6.1. Market Snapshot
- 6.2. Market Performance - Potential Model
- 6.3. Global Neuromorphic Computing Market, Sub Segment Analysis
 - 6.3.1. Consumer Electronics
 - 6.3.1.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 6.3.1.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 6.3.2. Automotive
 - 6.3.2.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 6.3.2.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 6.3.3. Healthcare
 - 6.3.3.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 6.3.3.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 6.3.4. Military & Defence
 - 6.3.4.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 6.3.4.2. Regional breakdown estimates & forecasts, 2015-2025 (USD Billion)

CHAPTER 7. GLOBAL NEUROMORPHIC COMPUTING MARKET, BY REGIONAL ANALYSIS

- 7.1. Neuromorphic Computing Market, Regional Market Snapshot (2015-2025)
- 7.2. North America Neuromorphic Computing Market Snapshot
 - 7.2.1. U.S.
 - 7.2.1.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.2.1.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.2.1.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.2.2. Canada
 - 7.2.2.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.2.2.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.2.2.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
- 7.3. Europe Neuromorphic Computing Market Snapshot
 - 7.3.1. U.K.
 - 7.3.1.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.1.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.1.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.2. Germany
 - 7.3.2.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.2.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.2.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.3. France
 - 7.3.3.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.3.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.3.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.4. Rest of Europe
 - 7.3.4.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.4.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.3.4.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
- 7.4. Asia Neuromorphic Computing Market Snapshot
 - 7.4.1. China
 - 7.4.1.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.1.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.1.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.2. India
 - 7.4.2.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.2.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.2.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.3. Japan
 - 7.4.3.1. Market estimates & forecasts, 2015-2025 (USD Billion)

- 7.4.3.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
- 7.4.3.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
- 7.4.4. Rest of Asia Pacific
 - 7.4.4.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.4.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.4.4.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
- 7.5. Latin America Neuromorphic Computing Market Snapshot
 - 7.5.1. Brazil
 - 7.5.1.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.5.1.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.5.1.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.5.2. Mexico
 - 7.5.2.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.5.2.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.5.2.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
- 7.6. Rest of The World
 - 7.6.1. South America
 - 7.6.1.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.6.1.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.6.1.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.6.2. Middle East and Africa
 - 7.6.2.1. Market estimates & forecasts, 2015-2025 (USD Billion)
 - 7.6.2.2. Application breakdown estimates & forecasts, 2015-2025 (USD Billion)
 - 7.6.2.3. End-Use breakdown estimates & forecasts, 2015-2025 (USD Billion)

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Company Market Share (Subject to Data Availability)
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. IBM Corporation
 - 8.3.1.1. Overview
 - 8.3.1.2. Financial (Subject to Data Availability)
 - 8.3.1.3. Product Summary
 - 8.3.1.4. Recent Developments
 - 8.3.2. Hewlett Packard
 - 8.3.3. Samsung Electronics co Ltd.
 - 8.3.4. Intel Corporation
 - 8.3.5. Qualcomm Inc.

- 8.3.6. Brain Corporation
- 8.3.7. General Vision Inc.
- 8.3.8. HRL Laboratories
- 8.3.9. Vicarious
- 8.3.10. CEA-Leti

I would like to order

Product name: Global Neuromorphic Computing Market Size study, by Application (Signal Processing, Image Processing, Data Processing, Object Detection), by End Use (Consumer Electronics, Automotive, Healthcare, Military & Defense), and by Regional Forecasts 2018-2025

Product link: <https://marketpublishers.com/r/G8C7DBB9F5EEN.html>

Price: US\$ 3,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G8C7DBB9F5EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970