

Brain Computer Interface Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-11-02 | 149 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$2499.00
- Five User Licence \$3499.00
- Enterprisewide License \$4499.00

Report description:

The global brain computer interface market size reached US\$ 1.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.7 Billion by 2028, exhibiting a growth rate (CAGR) of 13.8% during 2022-2028.

A brain computer interface (BCI) is a system used for acquiring, analyzing, and translating brain signals into commands using an artificial output device. This device assists in replacing, restoring, enhancing, supplementing, and improving the functions of the central nervous system (CNS). BCI replaces or restores the useful function of individuals suffering from neuromuscular disorders, such as cerebral palsy, amyotrophic lateral sclerosis, or spinal cord injury. It is also useful for rehabilitation after stroke or other disorders. As it finds extensive application in communicating and controlling patients with severe paralysis or in the locked-in syndrome (LIS), its demand is escalating around the world.

Brain Computer Interface Market Trends:

The rising geriatric population, coupled with the increasing prevalence of neurodegenerative disorders such as epilepsy and Alzheimer's and Parkinson's diseases, represents one of the key factors strengthening the growth of the market. Additionally, there is a rise in the integration of BCI technologies with several healthcare applications. This, in confluence with the increasing focus on using BCI technologies to control internet of things (IoT) devices and virtual reality (VR) applications, is propelling the market growth. Moreover, on account of its high accuracy and reliability and improved security monitoring, BCI technology finds application in controlling smart home applications and activities, such as opening and closing doors and windows and operating the television or music system. Furthermore, technological advancements in bio-sensing, nanotechnology, bio-signal processing, and neuro-imaging techniques, along with increasing investments in research and development (R&D) activities, are offering a positive outlook to the market. Besides this, the increasing adoption of BCI in the defense and military sector is anticipated to stimulate the growth of the market.

Key Market Segmentation:

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

IMARC Group provides an analysis of the key trends in each sub-segment of the global brain computer interface market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product and application.

Breakup by Product:

- Invasive BCI
- Partially Invasive BCI
- Non-invasive BCI

Breakup by Application:

- Healthcare
- Smart Home Control
- Communication and Control
- Entertainment and Gaming

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia
 - Others
- Latin America
 - Brazil
 - Mexico
 - Others
- Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Advanced Brain Monitoring Inc., ANT Neuro, Compumedics Limited, EMOTIV, Medtronic plc, Natus Medical Incorporated, NeuroSky Inc., Nihon

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Key Questions Answered in This Report

1. What was the size of the global brain computer interface market in 2022?
2. What is the expected growth rate of the global brain computer interface market during 2023-2028?
3. What are the key factors driving the global brain computer interface market?
4. What has been the impact of COVID-19 on the global brain computer interface market?
5. What is the breakup of the global brain computer interface market based on the product?
6. What is the breakup of the global brain computer interface market based on the application?
7. What are the key regions in the global brain computer interface market?
8. Who are the key players/companies in the global brain computer interface market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Brain Computer Interface Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Product
 - 6.1 Invasive BCI
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Partially Invasive BCI
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Non-invasive BCI
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 7 Market Breakup by Application
 - 7.1 Healthcare
 - 7.1.1 Market Trends

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.1.2 Market Forecast
- 7.2Smart Home Control
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3Communication and Control
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4Entertainment and Gaming
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 8 Market Breakup by Region
 - 8.1North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
 - 8.2Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
 - 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
 - 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
 - 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
 - 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
 - 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
 - 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
 - 8.3Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
- 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
- 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
- 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
- 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country
 - 8.5.3 Market Forecast
- 9 SWOT Analysis
 - 9.1 Overview
 - 9.2 Strengths
 - 9.3 Weaknesses
 - 9.4 Opportunities
 - 9.5 Threats
- 10 Value Chain Analysis
- 11 Porters Five Forces Analysis
 - 11.1 Overview
 - 11.2 Bargaining Power of Buyers
 - 11.3 Bargaining Power of Suppliers
 - 11.4 Degree of Competition
 - 11.5 Threat of New Entrants
 - 11.6 Threat of Substitutes
- 12 Price Analysis
- 13 Competitive Landscape
 - 13.1 Market Structure
 - 13.2 Key Players

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 13.3Profiles of Key Players
 - 13.3.1Advanced Brain Monitoring Inc.
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.2ANT Neuro
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.3Compumedics Limited
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.3.3 Financials
 - 13.3.4EMOTIV
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.5Medtronic plc
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.5.3 Financials
 - 13.3.5.4 SWOT Analysis
 - 13.3.6Natus Medical Incorporated
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.6.3 Financials
 - 13.3.6.4 SWOT Analysis
 - 13.3.7NeuroSky Inc.
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.8Nihon Kohden Corporation
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 Financials
 - 13.3.8.4 SWOT Analysis
 - 13.3.9NIRx Medical Technologies LLC
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Brain Computer Interface Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-11-02 | 149 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
<input type="checkbox"/>	Electronic (PDF) Single User	\$2499.00
<input type="checkbox"/>	Five User Licence	\$3499.00
<input type="checkbox"/>	Enterprisewide License	\$4499.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-06-26"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com