

Big Data Analytics in Semiconductor & Electronics Market by Component (Software and Services), End User (Semiconductor and Electronics), Analytics Tool (Dashboard & Data Visualization, Data Mining & Warehousing, Self-service Tools, Reporting, and Others), and Application (Customer Analytics, Supply Chain Analytics, Marketing Analytics, Pricing Analytics, Workforce Analytics, and Others): Global Opportunity Analysis and Industry Forecast, 2020–2027

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Abstracts

Big data and business analytics refer to the process of gathering useful information from large set of structured and unstructured data to discover hidden patterns and analyze real-time information. In addition, big data analytics is majorly adopted by analysts and business users for faster and better decision-making using data that is unstructured & previously inaccessible to improve operational efficiencies & productivity, yield management, and reduce costs in semiconductor & electronics industry. Thus, all these factors collectively contribute toward the growth of the big data analytics in semiconductor & electronics market.

Surge in adoption of big data analytics software by various organizations to facilitate enhanced & faster decision-making and to provide competitive advantage by analyzing and acting upon information in a timely manner significantly boosts the growth of the global big data analytics in semiconductor & electronics market. In addition, increase in demand for cloud-based big data analytics software enterprises positively impacts the



growth of the market. However, high implementation cost and dearth of skilled workforce are expected to hamper the market growth. On the contrary, rise in adoption of IoT devices coupled with the ongoing Industry 4.0 trend, increase in need to gain better insights for business planning, and surge in adoption of social media analytics tools are expected to offer remunerative opportunities for the expansion of the market during the forecast period.

The global big data analytics in semiconductor & electronics market is segmented into component, end user, analytics tool, application, and region. In terms of component, the market is fragmented into software and services. Depending on end user, it is bifurcated into semiconductor and electronics. On the basis of analytics tool, it is categorized into dashboard & data visualization, data mining & warehousing, self-service tools, reporting, and others. By application, it is segregated into customer analytics, supply chain analytics, marketing analytics, pricing analytics, workforce analytics, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The key players profiled in the big data analytics in semiconductor & electronics market analysis are Amazon Web Services, Cisco systems, Inc., Dell EMC, Dr yield software & solutions GmbH, Galaxy semiconductor Inc., IBM corporation, Kx systems, Microsoft corporation, Onto innovation Inc., Optimalplus Ltd., Qualtera (Synopsys, Inc.), Rapidminer Inc., SAP SE, SAS Institute Inc., Splunk Inc., TIBCO Software Inc., XDM technology co., Ltd., and YieldHub. These players have adopted various strategies to increase their market penetration and strengthen their position in the industry.

KEY BENEFITS FOR STAKEHOLDERS

The study provides an in-depth analysis of the global big data analytics in semiconductor & electronics market along with the current & future trends to elucidate the imminent investment pockets.

Information about key drivers, restrains, and opportunities and their impact analyses on the market size is provided in the report.

Porter's five forces analysis illustrates the potency of buyers and suppliers operating in the industry.

The quantitative analysis of the global big data analytics in semiconductor & electronics market



from 2019 to 2027 is provided to determine the market potential.

KEY MARKET SE	GMENTS		
By Component			
Software			
Services			
By End User			
Semicondu	ctor		
Electronics			
By Analytics Tool			
Dashboard	& Data Visualization		
Self-service	Tools		
Data Mining	g & Warehousing		
Reporting			
Others			
By Application			
Customer A	Analytics		

Supply Chain Analytics



Marketing Analytics

	Pricing	Analytics	
	Workforce Analytics		
	Others		
By Reg	ion		
	North A	America	
		U.S.	
		Canada	
	Europe		
		UK	
		Germany	
		France	
		Rest of Europe	
Asia-Pacific			
		China	
		India	
		Japan	
		Rest of Asia-Pacific	
	LAME	A	



KEY

Latin America				
Middle East				
Africa				
MARKET PLAYERS				
Amazon Web Services				
Cisco Systems, Inc.				
Dell EMC				
Dr Yield Software & Solutions GmbH				
Galaxy Semiconductor Inc.				
IBM Corporation				
Kx Systems				
Microsoft Corporation				
Onto Innovation Inc.				
Optimalplus Ltd.				
Qualtera (Synopsys, Inc.)				
Rapidminer Inc.				
SAP SE				
SAS Institute Inc.				
Splunk Inc.				



TIBCO Software Inc.

XDM Technology co., Ltd.

YieldHub



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