

Global Nanoelectronics Market Professional Survey Report 2018

https://marketpublishers.com/r/G42FDA3B346EN.html

Date: June 2018

Pages: 100

Price: US\$ 3,500.00 (Single User License)

ID: G42FDA3B346EN

Abstracts

This report studies the global Nanoelectronics market status and forecast, categorizes the global Nanoelectronics market size (value & volume) by manufacturers, type, application, and region.

This report focuses on the top manufacturers in North America, Europe, Japan, China, India, Southeast Asia and other regions (Central & South America, and Middle East & Africa).

The global Nanoelectronics market is valued at xx million US\$ in 2017 and is expected to reach xx million US\$ by the end of 2025, growing at a CAGR of xx.x % between 2018 and 2025.

The major manufacturers covered in this report

Advanced Micro Devices

Fujitsu Laboratories

General Nanotechnology

Hewlett-packard Development Company

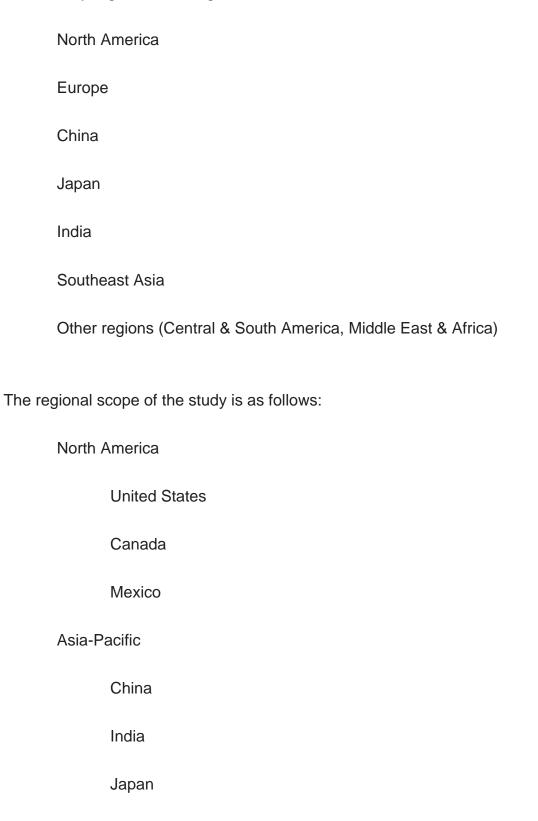
Hitachi

International Business Machines

Infineon Technologies



Geographically, this report studies the top producers and consumers, focuses on product capacity, production, value, consumption, market share and growth opportunity in these key regions, covering





	South Korea		
	Australia		
	Indonesia		
	Singapore		
	Rest of Asia-Pacific		
Europe			
	Germany		
	France		
	UK		
	Italy		
	Spain		
	Russia		
	Rest of Europe		
Central & South America			
	Brazil		
	Argentina		
	Rest of South America		
Middle East & Africa			
	Saudi Arabia		
	Turkey		



Rest of Middle East & Africa

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

	Carbon nanotubes			
	Graphene			
	Nanofibers			
	Nanosilver			
	Nanowires			
	Nanobuds			
	Other			
Ву Арр	cation, the market can be split into			
	Coatings And Films			
	Data Storage And Processing			
	Displays			
	Electronic Packaging			
	Other			
The stu	The study objectives of this report are:			

To analyze and study the global Nanoelectronics capacity, production, value,

consumption, status (2013-2017) and forecast (2018-2025);

Global Nanoelectronics Market Professional Survey Report 2018



Focuses on the key Nanoelectronics manufacturers, to study the capacity, production, value, market share and development plans in future.

Focuses on the global key manufacturers, to define, describe and analyze the market competition landscape, SWOT analysis.

To define, describe and forecast the market by type, application and region.

To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.

To identify significant trends and factors driving or inhibiting the market growth.

To analyze the opportunities in the market for stakeholders by identifying the high growth segments.

To strategically analyze each submarket with respect to individual growth trend and their contribution to the market.

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

In this study, the years considered to estimate the market size of Nanoelectronics are as follows:

History Year: 2013-2017

Base Year: 2017

Estimated Year: 2018

Forecast Year 2018 to 2025



For the data information by region, company, type and application, 2017 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

Key Stakeholders

Nanoelectronics Manufacturers

Nanoelectronics Distributors/Traders/Wholesalers

Nanoelectronics Subcomponent Manufacturers

Industry Association

Downstream Vendors

Available Customizations

With the given market data, QYResearch offers customizations according to the company's specific needs. The following customization options are available for the report:

Regional and country-level analysis of the Nanoelectronics market, by end-use.

Detailed analysis and profiles of additional market players.



Contents

Global Nanoelectronics Market Professional Survey Report 2018

1 INDUSTRY OVERVIEW OF NANOELECTRONICS

- 1.1 Definition and Specifications of Nanoelectronics
 - 1.1.1 Definition of Nanoelectronics
 - 1.1.2 Specifications of Nanoelectronics
- 1.2 Classification of Nanoelectronics
 - 1.2.1 Carbon nanotubes
 - 1.2.2 Graphene
 - 1.2.3 Nanofibers
- 1.2.4 Nanosilver
- 1.2.5 Nanowires
- 1.2.6 Nanobuds
- 1.2.7 Other
- 1.3 Applications of Nanoelectronics
 - 1.3.1 Coatings And Films
 - 1.3.2 Data Storage And Processing
 - 1.3.3 Displays
 - 1.3.4 Electronic Packaging
 - 1.3.5 Other
- 1.4 Market Segment by Regions
 - 1.4.1 North America
 - 1.4.2 Europe
 - 1.4.3 China
 - 1.4.4 Japan
 - 1.4.5 Southeast Asia
 - 1.4.6 India

2 MANUFACTURING COST STRUCTURE ANALYSIS OF NANOELECTRONICS

- 2.1 Raw Material and Suppliers
- 2.2 Manufacturing Cost Structure Analysis of Nanoelectronics
- 2.3 Manufacturing Process Analysis of Nanoelectronics
- 2.4 Industry Chain Structure of Nanoelectronics

3 TECHNICAL DATA AND MANUFACTURING PLANTS ANALYSIS OF



NANOELECTRONICS

- 3.1 Capacity and Commercial Production Date of Global Nanoelectronics Major Manufacturers in 2017
- 3.2 Manufacturing Plants Distribution of Global Nanoelectronics Major Manufacturers in 2017
- 3.3 R&D Status and Technology Source of Global Nanoelectronics Major Manufacturers in 2017
- 3.4 Raw Materials Sources Analysis of Global Nanoelectronics Major Manufacturers in 2017

4 GLOBAL NANOELECTRONICS OVERALL MARKET OVERVIEW

- 4.1 2013-2018E Overall Market Analysis
- 4.2 Capacity Analysis
 - 4.2.1 2013-2018E Global Nanoelectronics Capacity and Growth Rate Analysis
 - 4.2.2 2017 Nanoelectronics Capacity Analysis (Company Segment)
- 4.3 Sales Analysis
 - 4.3.1 2013-2018E Global Nanoelectronics Sales and Growth Rate Analysis
 - 4.3.2 2017 Nanoelectronics Sales Analysis (Company Segment)
- 4.4 Sales Price Analysis
 - 4.4.1 2013-2018E Global Nanoelectronics Sales Price
 - 4.4.2 2017 Nanoelectronics Sales Price Analysis (Company Segment)

5 NANOELECTRONICS REGIONAL MARKET ANALYSIS

- 5.1 North America Nanoelectronics Market Analysis
 - 5.1.1 North America Nanoelectronics Market Overview
- 5.1.2 North America 2013-2018E Nanoelectronics Local Supply, Import, Export, Local Consumption Analysis
 - 5.1.3 North America 2013-2018E Nanoelectronics Sales Price Analysis
 - 5.1.4 North America 2017 Nanoelectronics Market Share Analysis
- 5.2 Europe Nanoelectronics Market Analysis
 - 5.2.1 Europe Nanoelectronics Market Overview
- 5.2.2 Europe 2013-2018E Nanoelectronics Local Supply, Import, Export, Local Consumption Analysis
 - 5.2.3 Europe 2013-2018E Nanoelectronics Sales Price Analysis
- 5.2.4 Europe 2017 Nanoelectronics Market Share Analysis
- 5.3 China Nanoelectronics Market Analysis



- 5.3.1 China Nanoelectronics Market Overview
- 5.3.2 China 2013-2018E Nanoelectronics Local Supply, Import, Export, Local Consumption Analysis
 - 5.3.3 China 2013-2018E Nanoelectronics Sales Price Analysis
 - 5.3.4 China 2017 Nanoelectronics Market Share Analysis
- 5.4 Japan Nanoelectronics Market Analysis
 - 5.4.1 Japan Nanoelectronics Market Overview
- 5.4.2 Japan 2013-2018E Nanoelectronics Local Supply, Import, Export, Local Consumption Analysis
 - 5.4.3 Japan 2013-2018E Nanoelectronics Sales Price Analysis
 - 5.4.4 Japan 2017 Nanoelectronics Market Share Analysis
- 5.5 Southeast Asia Nanoelectronics Market Analysis
 - 5.5.1 Southeast Asia Nanoelectronics Market Overview
- 5.5.2 Southeast Asia 2013-2018E Nanoelectronics Local Supply, Import, Export, Local Consumption Analysis
 - 5.5.3 Southeast Asia 2013-2018E Nanoelectronics Sales Price Analysis
 - 5.5.4 Southeast Asia 2017 Nanoelectronics Market Share Analysis
- 5.6 India Nanoelectronics Market Analysis
 - 5.6.1 India Nanoelectronics Market Overview
- 5.6.2 India 2013-2018E Nanoelectronics Local Supply, Import, Export, Local Consumption Analysis
 - 5.6.3 India 2013-2018E Nanoelectronics Sales Price Analysis
 - 5.6.4 India 2017 Nanoelectronics Market Share Analysis

6 GLOBAL 2013-2018E NANOELECTRONICS SEGMENT MARKET ANALYSIS (BY TYPE)

- 6.1 Global 2013-2018E Nanoelectronics Sales by Type
- 6.2 Different Types of Nanoelectronics Product Interview Price Analysis
- 6.3 Different Types of Nanoelectronics Product Driving Factors Analysis
- 6.3.1 Carbon nanotubes of Nanoelectronics Growth Driving Factor Analysis
- 6.3.2 Graphene of Nanoelectronics Growth Driving Factor Analysis
- 6.3.3 Nanofibers of Nanoelectronics Growth Driving Factor Analysis
- 6.3.4 Nanosilver of Nanoelectronics Growth Driving Factor Analysis
- 6.3.5 Nanowires of Nanoelectronics Growth Driving Factor Analysis
- 6.3.6 Nanobuds of Nanoelectronics Growth Driving Factor Analysis
- 6.3.7 Other of Nanoelectronics Growth Driving Factor Analysis

7 GLOBAL 2013-2018E NANOELECTRONICS SEGMENT MARKET ANALYSIS (BY



APPLICATION)

- 7.1 Global 2013-2018E Nanoelectronics Consumption by Application
- 7.2 Different Application of Nanoelectronics Product Interview Price Analysis
- 7.3 Different Application of Nanoelectronics Product Driving Factors Analysis
- 7.3.1 Coatings And Films of Nanoelectronics Growth Driving Factor Analysis
- 7.3.2 Data Storage And Processing of Nanoelectronics Growth Driving Factor Analysis
- 7.3.3 Displays of Nanoelectronics Growth Driving Factor Analysis
- 7.3.4 Electronic Packaging of Nanoelectronics Growth Driving Factor Analysis
- 7.3.5 Other of Nanoelectronics Growth Driving Factor Analysis

8 MAJOR MANUFACTURERS ANALYSIS OF NANOELECTRONICS

- 8.1 Advanced Micro Devices
 - 8.1.1 Company Profile
 - 8.1.2 Product Picture and Specifications
 - 8.1.2.1 Product A
 - 8.1.2.2 Product B
 - 8.1.3 Advanced Micro Devices 2017 Nanoelectronics Sales, Ex-factory Price,

Revenue, Gross Margin Analysis

- 8.1.4 Advanced Micro Devices 2017 Nanoelectronics Business Region Distribution Analysis
- 8.2 Fujitsu Laboratories
 - 8.2.1 Company Profile
 - 8.2.2 Product Picture and Specifications
 - 8.2.2.1 Product A
 - 8.2.2.2 Product B
- 8.2.3 Fujitsu Laboratories 2017 Nanoelectronics Sales, Ex-factory Price, Revenue,

Gross Margin Analysis

- 8.2.4 Fujitsu Laboratories 2017 Nanoelectronics Business Region Distribution Analysis
- 8.3 General Nanotechnology
 - 8.3.1 Company Profile
 - 8.3.2 Product Picture and Specifications
 - 8.3.2.1 Product A
 - 8.3.2.2 Product B
 - 8.3.3 General Nanotechnology 2017 Nanoelectronics Sales, Ex-factory Price,

Revenue, Gross Margin Analysis

8.3.4 General Nanotechnology 2017 Nanoelectronics Business Region Distribution Analysis



- 8.4 Hewlett-packard Development Company
 - 8.4.1 Company Profile
 - 8.4.2 Product Picture and Specifications
 - 8.4.2.1 Product A
 - 8.4.2.2 Product B
- 8.4.3 Hewlett-packard Development Company 2017 Nanoelectronics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.4.4 Hewlett-packard Development Company 2017 Nanoelectronics Business Region Distribution Analysis
- 8.5 Hitachi
 - 8.5.1 Company Profile
 - 8.5.2 Product Picture and Specifications
 - 8.5.2.1 Product A
 - 8.5.2.2 Product B
- 8.5.3 Hitachi 2017 Nanoelectronics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
 - 8.5.4 Hitachi 2017 Nanoelectronics Business Region Distribution Analysis
- 8.6 International Business Machines
 - 8.6.1 Company Profile
 - 8.6.2 Product Picture and Specifications
 - 8.6.2.1 Product A
 - 8.6.2.2 Product B
- 8.6.3 International Business Machines 2017 Nanoelectronics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.6.4 International Business Machines 2017 Nanoelectronics Business Region Distribution Analysis
- 8.7 Infineon Technologies
 - 8.7.1 Company Profile
 - 8.7.2 Product Picture and Specifications
 - 8.7.2.1 Product A
 - 8.7.2.2 Product B
- 8.7.3 Infineon Technologies 2017 Nanoelectronics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.7.4 Infineon Technologies 2017 Nanoelectronics Business Region Distribution Analysis

9 DEVELOPMENT TREND OF ANALYSIS OF NANOELECTRONICS MARKET

9.1 Global Nanoelectronics Market Trend Analysis



- 9.1.1 Global 2018-2025 Nanoelectronics Market Size (Volume and Value) Forecast
- 9.1.2 Global 2018-2025 Nanoelectronics Sales Price Forecast
- 9.2 Nanoelectronics Regional Market Trend
 - 9.2.1 North America 2018-2025 Nanoelectronics Consumption Forecast
 - 9.2.2 Europe 2018-2025 Nanoelectronics Consumption Forecast
 - 9.2.3 China 2018-2025 Nanoelectronics Consumption Forecast
 - 9.2.4 Japan 2018-2025 Nanoelectronics Consumption Forecast
 - 9.2.5 Southeast Asia 2018-2025 Nanoelectronics Consumption Forecast
 - 9.2.6 India 2018-2025 Nanoelectronics Consumption Forecast
- 9.3 Nanoelectronics Market Trend (Product Type)
- 9.4 Nanoelectronics Market Trend (Application)

10 NANOELECTRONICS MARKETING TYPE ANALYSIS

- 10.1 Nanoelectronics Regional Marketing Type Analysis
- 10.2 Nanoelectronics International Trade Type Analysis
- 10.3 Traders or Distributors with Contact Information of Nanoelectronics by Region
- 10.4 Nanoelectronics Supply Chain Analysis

11 CONSUMERS ANALYSIS OF NANOELECTRONICS

- 11.1 Consumer 1 Analysis
- 11.2 Consumer 2 Analysis
- 11.3 Consumer 3 Analysis
- 11.4 Consumer 4 Analysis

12 CONCLUSION OF THE GLOBAL NANOELECTRONICS MARKET PROFESSIONAL SURVEY REPORT 2017

Methodology
Analyst Introduction
Data Source

The report requires updating with new data and is sent in 2-3 business days after order is placed.



List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Nanoelectronics

Table Product Specifications of Nanoelectronics

Table Classification of Nanoelectronics

Figure Global Production Market Share of Nanoelectronics by Type in 2017

Figure Carbon nanotubes Picture

Table Major Manufacturers of Carbon nanotubes

Figure Graphene Picture

Table Major Manufacturers of Graphene

Figure Nanofibers Picture

Table Major Manufacturers of Nanofibers

Figure Nanosilver Picture

Table Major Manufacturers of Nanosilver

Figure Nanowires Picture

Table Major Manufacturers of Nanowires

Figure Nanobuds Picture

Table Major Manufacturers of Nanobuds

Figure Other Picture

Table Major Manufacturers of Other

Table Applications of Nanoelectronics

Figure Global Consumption Volume Market Share of Nanoelectronics by Application in 2017

Figure Coatings And Films Examples

Table Major Consumers in Coatings And Films

Figure Data Storage And Processing Examples

Table Major Consumers in Data Storage And Processing

Figure Displays Examples

Table Major Consumers in Displays

Figure Electronic Packaging Examples

Table Major Consumers in Electronic Packaging

Figure Other Examples

Table Major Consumers in Other

Figure Market Share of Nanoelectronics by Regions

Figure North America Nanoelectronics Market Size (Million USD) (2013-2025)

Figure Europe Nanoelectronics Market Size (Million USD) (2013-2025)

Figure China Nanoelectronics Market Size (Million USD) (2013-2025)

Figure Japan Nanoelectronics Market Size (Million USD) (2013-2025)



Figure Southeast Asia Nanoelectronics Market Size (Million USD) (2013-2025)

Figure India Nanoelectronics Market Size (Million USD) (2013-2025)

Table Nanoelectronics Raw Material and Suppliers

Table Manufacturing Cost Structure Analysis of Nanoelectronics in 2017

Figure Manufacturing Process Analysis of Nanoelectronics

Figure Industry Chain Structure of Nanoelectronics

Table Capacity and Commercial Production Date of Global Nanoelectronics Major Manufacturers in 2017

Table Manufacturing Plants Distribution of Global Nanoelectronics Major Manufacturers in 2017

Table R&D Status and Technology Source of Global Nanoelectronics Major Manufacturers in 2017

Table Raw Materials Sources Analysis of Global Nanoelectronics Major Manufacturers in 2017

Table Global Capacity, Sales, Price, Cost, Sales Revenue (M USD) and Gross Margin of Nanoelectronics 2013-2018E

Figure Global 2013-2018E Nanoelectronics Market Size (Volume) and Growth Rate

Figure Global 2013-2018E Nanoelectronics Market Size (Value) and Growth Rate

Table 2013-2018E Global Nanoelectronics Capacity and Growth Rate

Table 2017 Global Nanoelectronics Capacity (K Units) List (Company Segment)

Table 2013-2018E Global Nanoelectronics Sales (K Units) and Growth Rate

Table 2017 Global Nanoelectronics Sales (K Units) List (Company Segment)

Table 2013-2018E Global Nanoelectronics Sales Price (USD/Unit)

Table 2017 Global Nanoelectronics Sales Price (USD/Unit) List (Company Segment)

Figure North America Capacity Overview

Table North America Supply, Import, Export and Consumption (K Units) of Nanoelectronics 2013-2018E

Figure North America 2013-2018E Nanoelectronics Sales Price (USD/Unit)

Figure North America 2017 Nanoelectronics Sales Market Share

Figure Europe Capacity Overview

Table Europe Supply, Import, Export and Consumption (K Units) of Nanoelectronics 2013-2018E

Figure Europe 2013-2018E Nanoelectronics Sales Price (USD/Unit)

Figure Europe 2017 Nanoelectronics Sales Market Share

Figure China Capacity Overview

Table China Supply, Import, Export and Consumption (K Units) of Nanoelectronics 2013-2018E

Figure China 2013-2018E Nanoelectronics Sales Price (USD/Unit)

Figure China 2017 Nanoelectronics Sales Market Share



Figure Japan Capacity Overview

Table Japan Supply, Import, Export and Consumption (K Units) of Nanoelectronics 2013-2018E

Figure Japan 2013-2018E Nanoelectronics Sales Price (USD/Unit)

Figure Japan 2017 Nanoelectronics Sales Market Share

Figure Southeast Asia Capacity Overview

Table Southeast Asia Supply, Import, Export and Consumption (K Units) of

Nanoelectronics 2013-2018E

Figure Southeast Asia 2013-2018E Nanoelectronics Sales Price (USD/Unit)

Figure Southeast Asia 2017 Nanoelectronics Sales Market Share

Figure India Capacity Overview

Table India Supply, Import, Export and Consumption (K Units) of Nanoelectronics 2013-2018E

Figure India 2013-2018E Nanoelectronics Sales Price (USD/Unit)

Figure India 2017 Nanoelectronics Sales Market Share

Table Global 2013-2018E Nanoelectronics Sales (K Units) by Type

Table Different Types Nanoelectronics Product Interview Price

Table Global 2013-2018E Nanoelectronics Sales (K Units) by Application

Table Different Application Nanoelectronics Product Interview Price

Table Advanced Micro Devices Information List

Table Product A Overview

Table Product B Overview

Table 2017 Advanced Micro Devices Nanoelectronics Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2017 Advanced Micro Devices Nanoelectronics Business Region Distribution

Table Fujitsu Laboratories Information List

Table Product A Overview

Table Product B Overview

Table 2017 Fujitsu Laboratories Nanoelectronics Revenue (Million USD), Sales (K

Units), Ex-factory Price (USD/Unit)

Figure 2017 Fujitsu Laboratories Nanoelectronics Business Region Distribution

Table General Nanotechnology Information List

Table Product A Overview

Table Product B Overview

Table 2015 General Nanotechnology Nanoelectronics Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2017 General Nanotechnology Nanoelectronics Business Region Distribution

Table Hewlett-packard Development Company Information List

Table Product A Overview



Table Product B Overview

Table 2017 Hewlett-packard Development Company Nanoelectronics Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2017 Hewlett-packard Development Company Nanoelectronics Business Region Distribution

Table Hitachi Information List

Table Product A Overview

Table Product B Overview

Table 2017 Hitachi Nanoelectronics Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2017 Hitachi Nanoelectronics Business Region Distribution

Table International Business Machines Information List

Table Product A Overview

Table Product B Overview

Table 2017 International Business Machines Nanoelectronics Revenue (Million USD),

Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2017 International Business Machines Nanoelectronics Business Region Distribution

Table Infineon Technologies Information List

Table Product A Overview

Table Product B Overview

Table 2017 Infineon Technologies Nanoelectronics Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2017 Infineon Technologies Nanoelectronics Business Region Distribution Figure Global 2018-2025 Nanoelectronics Market Size (K Units) and Growth Rate Forecast

Figure Global 2018-2025 Nanoelectronics Market Size (Million USD) and Growth Rate Forecast

Figure Global 2018-2025 Nanoelectronics Sales Price (USD/Unit) Forecast

Figure North America 2018-2025 Nanoelectronics Consumption Volume (K Units) and Growth Rate Forecast

Figure China 2018-2025 Nanoelectronics Consumption Volume (K Units) and Growth Rate Forecast

Figure Europe 2018-2025 Nanoelectronics Consumption Volume (K Units) and Growth Rate Forecast

Figure Southeast Asia 2018-2025 Nanoelectronics Consumption Volume (K Units) and Growth Rate Forecast

Figure Japan 2018-2025 Nanoelectronics Consumption Volume (K Units) and Growth Rate Forecast



Figure India 2018-2025 Nanoelectronics Consumption Volume (K Units) and Growth Rate Forecast

Table Global Sales Volume (K Units) of Nanoelectronics by Type 2018-2025
Table Global Consumption Volume (K Units) of Nanoelectronics by Application 2018-2025

Table Traders or Distributors with Contact Information of Nanoelectronics by Region



I would like to order

Product name: Global Nanoelectronics Market Professional Survey Report 2018

Product link: https://marketpublishers.com/r/G42FDA3B346EN.html

Price: US\$ 3,500.00 (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/G42FDA3B346EN.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
	Custumer 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