

Global FR-4 Rigid PCB Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global FR-4 Rigid PCB market size was valued at US\$ million in 2025 and is forecast to a readjusted size of US\$ million by 2032 with a CAGR of %during review period.

FR4, also written as FR-4, is both a name and a standard rating. The name is applied to the fiberglass-reinforced epoxy-laminated sheets used in printed circuit board manufacturing. Rigid Printed Circuit Board (RPCB), also known as a rigid PCB, serves as a foundation for electronic components. Constructed primarily from an insulating substrate such as fiberglass-reinforced epoxy resin, it features intricate circuit patterns etched or plated onto its surface with conductive materials like copper foil. These patterns facilitate the interconnection of electronic components, enabling the transmission of electronic signals and functional control within devices. Renowned for its structural rigidity, high temperature resistance, and chemical corrosion resistance, RPCB finds extensive application in electronics ranging from computers and communication equipment to industrial controls and consumer electronics.

This report is a detailed and comprehensive analysis for global FR-4 Rigid PCB market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global FR-4 Rigid PCB market size and forecasts, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global FR-4 Rigid PCB market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global FR-4 Rigid PCB market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sq m), 2021-2032

Global FR-4 Rigid PCB market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sqm), and ASP (US\$/Sq m), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for FR-4 Rigid PCB

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global FR-4 Rigid PCB market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include TTM Technologies, Kinwong, Shenzhen Q&D, Meiko Electronics, Dynamic Electronics, PW Circuits, AT&S, Ellington Electronic Technology, Zhen Ding Technology Holding, JOVE PCB, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

FR-4 Rigid PCB market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for

consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

1-10 Layers

11-20 Layers

21-30 Layers

Others

Market segment by Application

Consumer Electronics

Communication Equipment

Automotive Electronics

Industrial Control and Automation

Medical Equipment

Aerospace

Major players covered

TTM Technologies

Kinwong

Shenzhen Q&D

Meiko Electronics

Dynamic Electronics

PW Circuits

AT&S

Ellington Electronic Technology

Zhen Ding Technology Holding

JOVE PCB

Kingbrother

Suntakpcb

Fastprint

Suzhou Dongshan Precision Manufacturing

Aspocomp

Sunshine Global Circuits

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe FR-4 Rigid PCB product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of FR-4 Rigid PCB, with price, sales quantity, revenue, and global market share of FR-4 Rigid PCB from 2021 to 2026.

Chapter 3, the FR-4 Rigid PCB competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the FR-4 Rigid PCB breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and FR-4 Rigid PCB market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of FR-4 Rigid PCB.

Chapter 14 and 15, to describe FR-4 Rigid PCB sales channel, distributors, customers, research findings and conclusion.

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