

Global AI Electronic Cloth 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 AI Electronic Cloth market size was valued at US\$ 135 million in 2025 and is forecast to a readjusted size of US\$ 310 million by 2032 with a CAGR of 12.6% during review period.

In 2025, global sales of AI electronic cloth reached approximately 2,531 tons, with an average price of about \$52,000 per ton.

AI electronic cloth is a specially treated low-dielectric-constant (Low-Dk) glass fiber cloth, less than 1/10 the thickness of a human hair. As a 'road surface material' for high-frequency, high-speed circuit boards, it significantly reduces signal transmission loss and improves transmission efficiency, making it a core substrate for high-end applications such as AI servers and data centers. High-end AI electronic cloth generally has a higher gross profit margin than traditional electronic cloth. Third-generation Q-cloth (ultra-low dielectric quartz cloth) has a gross profit margin exceeding 60%, second-generation low-dielectric cloth has a gross profit margin of approximately 35%-50%, and first-generation ordinary cloth has a gross profit margin of approximately 20%-30%.

Upstream: High-purity quartz sand, electronic-grade glass fiber yarn, platinum-rhodium alloy spinnerets, and other core materials and equipment have high technological barriers and a high dependence on imports. Downstream: Copper clad laminate (CCL) manufacturers, PCB manufacturers, and end-user applications (AI servers, optical modules, chip packaging, etc.), with demand driving the upgrading of the industry chain.

This report is a detailed and comprehensive analysis for global AI Electronic Cloth 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 AI Electronic Cloth market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global AI Electronic Cloth market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global AI Electronic Cloth market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global AI Electronic Cloth market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 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 AI Electronic Cloth

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 AI Electronic Cloth 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 Nittobo, AGY, CPIC, Taishan Fiberglass, Sinoma Science & Technology, China Jushi, Feilihua, Taiwan Glass, Fulltech, Nanya Plastics, etc.

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

Market Segmentation

AI Electronic Cloth 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

Ultra-thin Cloth

Emerald Thin Cloth

Low Dielectric Cloth

Low Expansion Cloth

Market segment by Thickness

Thickness ? 10 micrometers

Thickness 10-30 micrometers

Thickness ? 10 micrometers

Market segment by Functional Category

High Frequency Transmission

Heat-Resistant Packaging

Structural Support

Market segment by Application

Copper Clad Laminate (CCL) Manufacturer

PCB Manufacturer

End Application

Major players covered

Nittobo

AGY

CPIC

Taishan Fiberglass

Sinoma Science & Technology

China Jushi

Feilihua

Taiwan Glass

Fulltech

Nanya Plastics

Henan Guangyuan New Materials

Honghe Technology

Sichuan Fiberglass

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 AI Electronic Cloth product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of AI Electronic Cloth, with price, sales quantity, revenue, and global market share of AI Electronic Cloth from 2021 to 2026.

Chapter 3, the AI Electronic Cloth competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the AI Electronic Cloth 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 AI Electronic Cloth 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 AI Electronic

Cloth.

Chapter 14 and 15, to describe AI Electronic Cloth sales channel, distributors, customers, research findings and conclusion.

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