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Global E-Cloth for AI Servers Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global E-Cloth for AI Servers market size is expected to reach $ 2984 million by 2032, rising at a market growth of 22.8% CAGR during the forecast period (2026-2032).

E-cloth for AI servers, represented by quartz cloth (Q cloth), is a third-generation product and serves as the 'invisible cornerstone' supporting high-performance computing and high-speed signal transmission. Woven from electronic-grade glass fibers with a diameter only 1/20th the thickness of a human hair, electronic cloth is a core substrate for manufacturing copper-clad laminates (CCLs) and printed circuit boards (PCBs). Its core value lies in ensuring lossless, high-speed transmission of high-frequency signals across multi-layered circuit boards through extremely low dielectric constants and dielectric losses. Through three generations of technological innovation, from traditional E-glass fiber cloth (Dk value approximately 4.8) to low-dielectric glass fiber cloth (Dk value approximately 4.2), and now to the mainstream quartz cloth (Q cloth), its dielectric constant has been reduced to 2.2-2.3, its dielectric loss is only one-tenth that of traditional glass fiber cloth, and its temperature resistance exceeds 600?, providing crucial assurance for the stable operation of AI computing clusters.

In 2025, global E-Cloth for AI Servers sales reached approximately 1,913 million meters, with an average global market price of around 37.65 US$/Meter. Production capacity reached 2,800 million meters, with a gross profit margin of approximately 65%.

This report studies the global E-Cloth for AI Servers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for E-Cloth for AI Servers and provides market size (US$ million) and Year-over-Year (YoY) Growth,

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considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of E-Cloth for AI Servers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global E-Cloth for AI Servers total production and demand, 2021-2032, (K Meter)
Global E-Cloth for AI Servers total production value, 2021-2032, (USD Million)
Global E-Cloth for AI Servers production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Meter), (based on production site)
Global E-Cloth for AI Servers consumption by region & country, CAGR, 2021-2032 & (K Meter)
U.S. VS China: E-Cloth for AI Servers domestic production, consumption, key domestic manufacturers and share
Global E-Cloth for AI Servers production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Meter)
Global E-Cloth for AI Servers production by Thickness, production, value, CAGR, 2021-2032, (USD Million) & (K Meter)
Global E-Cloth for AI Servers production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Meter)

This report profiles key players in the global E-Cloth for AI Servers market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hubei Feilihua Quartz Glass, Sinoma Science & Technology, Grace Fabric Technology, Nitto Boseki, Glotech Industrial Corp, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World E-Cloth for AI Servers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Meter) and average price (US$/Meter) by manufacturer, by Thickness, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

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Global E-Cloth for AI Servers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global E-Cloth for AI Servers Market, Segmentation by Thickness:

Ultra-thin/Extremely Thin (Below 0.06 mm)

Standard Thin (0.06 mm?0.2 mm)

General-purpose (Above 0.2 mm)

Global E-Cloth for AI Servers Market, Segmentation by Type:

M9

M10

Global E-Cloth for AI Servers Market, Segmentation by Raw Materials:

Epoxy-based

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Cyanate Ester-based

Others

Global E-Cloth for AI Servers Market, Segmentation by Application:

CPU+GPU Servers

CPU+FPGA Servers

CPU+ASIC Servers

Others

Companies Profiled:

Hubei Feilihua Quartz Glass

Sinoma Science & Technology

Grace Fabric Technology

Nitto Boseki

Glotech Industrial Corp

Key Questions Answered:

1. How big is the global E-Cloth for AI Servers market?
2. What is the demand of the global E-Cloth for AI Servers market?
3. What is the year over year growth of the global E-Cloth for AI Servers market?
4. What is the production and production value of the global E-Cloth for AI Servers market?
5. Who are the key producers in the global E-Cloth for AI Servers market?
6. What are the growth factors driving the market demand?

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