

# Global Active Cables (DAC?AOC?AEC) Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Active Cables (DAC?AOC?AEC) market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

The Global Mobile Economy Development Report 2023 released by GSMA Intelligence pointed out that by the end of 2022, the number of global mobile users would exceed 5.4 billion. The mobile ecosystem supports 16 million jobs directly and 12 million jobs indirectly.

According to our Communications Research Centre, in 2022, the global communication equipment was valued at US\$ 100 billion. The U.S. and China are powerhouses in the manufacture of communications equipment. According to data from the Ministry of Industry and Information Technology of China, the cumulative revenue of telecommunications services in 2022 was ?1.58 trillion, an increase of 8% over the previous year. The total amount of telecommunications business calculated at the price of the previous year reached ?1.75 trillion, a year-on-year increase of 21.3%. In the same year, the fixed Internet broadband access business revenue was ?240.2 billion, an increase of 7.1% over the previous year, and its proportion in the telecommunications business revenue decreased from 15.3% in the previous year to 15.2%, driving the telecommunications business revenue to increase by 1.1 percentage points.

Active cables refer to cables that incorporate active electronics within the cable assembly to enhance or extend their performance characteristics. There are several types of active cables, each with its own specific purpose and technology:

**DAC (Direct Attach Copper) Cables:** DAC cables are high-speed data cables with

integrated active electronics, typically used for short-distance connections within data centers and networking environments. They are commonly used to connect switches, routers, servers, and storage devices. DAC cables use copper conductors to transmit electrical signals, and the integrated electronics help to boost signal integrity and reduce signal degradation over short distances.

**AOC (Active Optical Cables):** AOCs are cables that use optical fiber for transmitting data signals over longer distances compared to traditional copper cables. AOCs integrate active optical components, such as lasers and photodiodes, within the cable ends to convert electrical signals into optical signals and vice versa. These cables are used for applications requiring high data rates and low latency, such as data center interconnects, high-performance computing, and video streaming.

**AEC (Active Ethernet Cables):** AECs are similar to AOCs but are specifically designed for Ethernet networking applications. They combine the benefits of optical fibers with the convenience of Ethernet connectivity. AECs can transmit data over longer distances and are often used in scenarios where traditional Ethernet cables would suffer from signal degradation or where electromagnetic interference is a concern.

This report studies the global Active Cables (DAC?AOC?AEC) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Active Cables (DAC?AOC?AEC), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Active Cables (DAC?AOC?AEC) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Active Cables (DAC?AOC?AEC) total production and demand, 2018-2029, (K Units)

Global Active Cables (DAC?AOC?AEC) total production value, 2018-2029, (USD Million)

Global Active Cables (DAC?AOC?AEC) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Active Cables (DAC?AOC?AEC) consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Active Cables (DAC?AOC?AEC) domestic production, consumption, key domestic manufacturers and share

Global Active Cables (DAC?AOC?AEC) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Active Cables (DAC?AOC?AEC) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Active Cables (DAC?AOC?AEC) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Active Cables (DAC?AOC?AEC) 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 Amphenol, NVIDIA, Coherent, Sumitomo Electric Industries, Mobix Labs, Panduit, Molex, TE Connectivity and Siemon, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Active Cables (DAC?AOC?AEC) market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Active Cables (DAC?AOC?AEC) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Active Cables (DAC?AOC?AEC) Market, Segmentation by Type

DAC (Direct Attach Copper Cables)

AOC (Active Optical Cables)

AEC (Active Ethernet Cables)

### Global Active Cables (DAC?AOC?AEC) Market, Segmentation by Application

Data Centers

High-Performance Computing (HPC)

Consumer Electronics

Industrial Automation

Others

### Companies Profiled:

Amphenol

NVIDIA

Coherent

Sumitomo Electric Industries

Mobix Labs

Panduit

Molex

TE Connectivity

Siemon

BizLink Technology

Credo

Vitex

Smartoptics

Marvell

Point2 Technology

Approved Networks

## Key Questions Answered

1. How big is the global Active Cables (DAC?AOC?AEC) market?
2. What is the demand of the global Active Cables (DAC?AOC?AEC) market?

3. What is the year over year growth of the global Active Cables (DAC?AOC?AEC) market?
4. What is the production and production value of the global Active Cables (DAC?AOC?AEC) market?
5. Who are the key producers in the global Active Cables (DAC?AOC?AEC) market?
6. What are the growth factors driving the market demand?

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