

# Global M.2 Serial Adapter Card Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global M.2 Serial Adapter Card market size is expected to reach \$ 131 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).

In 2025, the global annual shipment volume of M.2 Serial Adapter Cards is projected to be approximately 1.24 million units. Industrial computing, embedded systems, and network security equipment are the main sources of demand, with the Asia-Pacific market accounting for over 45%. The average price of these products, depending on the number of channels, interface type, and industrial grade, ranges from \$65 to \$80 per unit. Models supporting multiple serial ports (RS-232/422/485), isolated designs, or wide temperature specifications can reach up to \$140 per unit. In terms of device usage, a single industrial computer or network device typically uses one M.2 Serial Adapter Card for connecting legacy serial devices; in scenarios involving multiple devices, redundant communication, or protocol isolation (such as rail transit, energy, and avionics ground systems), configuring 2-3 cards is also common. These products are inexpensive but indispensable functional expansion modules in a system; their value lies not in computing power, but in their ability to 'extend the lifespan' of traditional industrial communication ecosystems. A M.2 Serial Adapter Card is a serial communication expansion module based on the M.2 Key B/Key M interface, primarily used in compact industrial motherboards, embedded computers, or specialized equipment to provide standard serial communication capabilities such as RS-232, RS-422, and RS-485. Its core function is not data processing, but rather acting as a protocol bridging node between the I/O expansion layer and industrial field devices. Compared to traditional PCIe/PCI serial cards, M.2 Serial Adapter Cards emphasize miniaturization, low power consumption, and platform compatibility, making them suitable for modern industrial computing architectures that lack standard expansion slots but still require extensive serial communication. As x86 and ARM industrial platforms continue to evolve towards

high integration and slotless designs, M.2 has gradually become the mainstream physical form factor for serial I/O expansion.

This report studies the global M.2 Serial Adapter Card production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for M.2 Serial Adapter Card and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of M.2 Serial Adapter Card that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global M.2 Serial Adapter Card total production and demand, 2021-2032, (K Units)

Global M.2 Serial Adapter Card total production value, 2021-2032, (USD Million)

Global M.2 Serial Adapter Card production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global M.2 Serial Adapter Card consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: M.2 Serial Adapter Card domestic production, consumption, key domestic manufacturers and share

Global M.2 Serial Adapter Card production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global M.2 Serial Adapter Card production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global M.2 Serial Adapter Card production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global M.2 Serial Adapter Card 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 DFI, ASUS, ACCES I/O, Delock, Innodisk, Brainboxes, StarTech, SYBA, Di-ARTs Technology, Cervoz Technology, 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 M.2 Serial Adapter Card 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 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

**Global M.2 Serial Adapter Card Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

**Global M.2 Serial Adapter Card Market, Segmentation by Type:**

Single-Lane

2 Port

4 Port

**Global M.2 Serial Adapter Card Market, Segmentation by Size:**

2230

2242

2260

2280

Others

#### Global M.2 Serial Adapter Card Market, Segmentation by Interface Type:

B Key

M Key

#### Global M.2 Serial Adapter Card Market, Segmentation by Application:

Industrial Automation Equipment

Rail Transit

Energy and Power

Cybersecurity and Communications

Others

#### Companies Profiled:

DFI

ASUS

ACCES I/O

Delock

Innodisk

Brainboxes

StarTech

SYBA

Di-ARTs Technology

Cervoz Technology

Serial Cables

Shentek

Hilscher

T-Chip

LEKUO

KALEA-INFORMATIQUE

EXSYS Vertriebs GmbH

DANBIT

VersaLogic

TKH

IEI

### **Key Questions Answered:**

1. How big is the global M.2 Serial Adapter Card market?

2. What is the demand of the global M.2 Serial Adapter Card market?
3. What is the year over year growth of the global M.2 Serial Adapter Card market?
4. What is the production and production value of the global M.2 Serial Adapter Card market?
5. Who are the key producers in the global M.2 Serial Adapter Card market?
6. What are the growth factors driving the market demand?

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