



Standard Bus Modular Instrumentation Industry Research Report 2026

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Description

With virtual instrument technology as the core, modular instrument covers PXI/PXIe, VXI, LXI, PCI/e, Serial, AXI/e and other standard bus modules, including signal generation and simulation, signal reception and analysis, routing switch, communication interface protocol, aviation navigation signal simulation, signal conditioning and other modules. With its small size, high versatility, strong scalability and easy to upgrade and other technical characteristics, Modular Instrumentation is very suitable for building test system, applied in military, aviation, automotive and industrial fields.

Due to high technical barriers, the Standard Bus Modular Instrumentation industry is relatively concentrated, with Keysight, National Instruments, Viavi Solutions, Fortive Corporation, Astronics Corporation, Teledyne Lecroy and Rohde & Schwarz being the major manufacturers.

Report Scope

This report quantifies the global Standard Bus Modular Instrumentation market in revenue (US\$ million) and, where applicable, sales volume (K Units), using 2025 as the base year and providing annual historical and forecast data for 2021–2032.

It standardizes definitions of types and applications, harmonizes vendor attribution, and presents comparable time series by company, type, application, and region/country, including indicative price bands (US\$/K Units) and concentration ratios (CR5/CR10).

The outputs are intended to support strategy development, budgeting, and performance benchmarking for manufacturers, new entrants, channel partners, and investors; the report also reviews technology shifts and notable product introductions relevant to Standard Bus Modular Instrumentation.

Key Companies & Market Share Insights

This section profiles leading manufacturers, combining 2021–2025 results with a 2026–2032 outlook. It reports revenue, market share, price bands, product and application mix, regional and channel mix, and key developments (M&A, capacity additions, certifications). It also provides global revenue, average price, and—where applicable—sales volume by manufacturer, and calculates CR5/CR10 and rank changes to support comparative benchmarking.

Standard Bus Modular Instrumentation Market by Company

Keysight

National Instruments

Viavi Solutions

Fortive Corporation

Astronics Corporation

Teledyne Lecroy
Rohde & Schwarz
Ametek (VTI Instruments)
Teradyne
Pickering Interfaces
Giga-Tronics
Chroma ATE
Bustec
Excalibur Systems
North Atlantic Industries
Ceyear
ADLINK
CETC
CASIC
ADVANTECH

Standard Bus Modular Instrumentation Segment by Type

PXI/e Bus Modular Instrument
VXI Bus Modular Instrument
LXI Bus Modular Instrument
PCI/e Bus Modular Instrument
Serial Bus Modular Instrument
AXI/e Bus Modular Instrument

Standard Bus Modular Instrumentation Segment by Application

Communication
Consumer Electronics & Semiconductor
Automotive Electronics
Aerospace & Defence

Standard Bus Modular Instrumentation Segment by Region

North America
United States
Canada
Mexico
Europe
Germany
France
U.K.
Italy
Russia
Spain
Netherlands
Switzerland
Sweden
Poland
Asia-Pacific
China
Japan

South Korea
India
Australia
Taiwan
Southeast Asia
South America
Brazil
Argentina
Chile
Middle East & Africa
Egypt
South Africa
Israel
Türkiye
GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Standard Bus Modular Instrumentation market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Standard Bus Modular Instrumentation and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Standard Bus Modular Instrumentation.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Research objectives, research methods, data sources, data cross-validation;

Chapter 2:

Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so

on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3:

Detailed analysis of Standard Bus Modular Instrumentation manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5:

Production/output, value of Standard Bus Modular Instrumentation by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6:

Consumption of Standard Bus Modular Instrumentation in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7:

Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8:

Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9:

Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10:

Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11:

The main points and conclusions of the report.

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