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Global Medical Device Connectivity Services Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Medical Device Connectivity Services market size is expected to reach $ 17515 million by 2032, rising at a market growth of 22.1% CAGR during the forecast period (2026-2032).

Medical device connectivity services are device data interoperability services for hospitals, clinics, remote monitoring organizations, and medical device manufacturers. Their core function is to use on-premise gateways, cloud-managed platforms, middleware, interface engines, and implementation integration services to collect, standardize, transmit, and manage data generated by patient monitors, infusion pumps, ventilators, anesthesia machines, bedside terminals, wearable devices, and remote monitoring devices, including vital signs, waveforms, alarms, infusion data, and device status. These data are then connected to EMR, EHR, PDMS, clinical monitoring, alarm notification, nursing communication, and data analytics systems. Medical device connectivity services are not simple networking solutions; rather, they reduce manual data entry, minimize data fragmentation and alarm delays, and improve the completeness of clinical records, nursing efficiency, device coordination, and the overall level of hospital digital operations.

Medical device connectivity services are shifting toward the continuous collection, standardized governance, and cross-system flow of clinical data. Hospital environments have long contained a large number of medical devices from different brands, using different protocols, serving different departments, and operating across different life cycles, including patient monitors, ventilators, infusion pumps, anesthesia machines, bedside terminals, and remote monitoring devices. The data generated by these devices are high-frequency, real-time, continuous, and highly relevant to clinical care. Continued reliance on manual transcription, point-to-point interfaces, or isolated

systems not only increases the documentation burden on nurses and clinical staff, but also easily leads to data delays, omissions, transcription errors, broken alarm information, and unusable downstream analytics. As hospital digitalization deepens, requirements for device data integrity, real-time availability, and interoperability will continue to rise, and these services will gradually become a foundational capability for smart hospitals, intensive care, clinical decision support, and medical data asset development. From a competitive perspective, medical device connectivity services are not dominated by a single type of company. Instead, they involve medical device manufacturers, healthcare IT platform companies, and connected health service providers. Medical device manufacturers usually build on their own patient monitoring, ventilation, infusion, anesthesia, or bedside device portfolios to provide supporting gateways, data platforms, and device management capabilities. Their advantage lies in a deeper understanding of device protocols, clinical scenarios, and hardware ecosystems, making it easier to create customer stickiness within their existing installed base. The second group consists of IT and interoperability platform companies, whose core capabilities focus on HL7, FHIR, APIs, multi-system interfaces, master data management, and large-scale healthcare data exchange, making them better suited to serve as the middle layer of hospital-level or regional information platforms. The third group includes connected health, gateway, and implementation service providers, which mainly help hospitals or medical device manufacturers complete cross-system integration, remote monitoring access, device data routing, and project implementation. The competition among these three groups does not completely overlap. Device manufacturers tend to emphasize closed product ecosystems, IT platform companies focus on data interoperability and system integration, while service providers emphasize implementation delivery and cross-vendor connectivity. As hospitals increasingly demand vendor neutrality, open interfaces, and long-term maintainability, future competition will concentrate on multi-vendor compatibility, standardized interface capabilities, data security, and clinical workflow adaptability. Future growth in medical device connectivity services will mainly come from three areas: high-intensity in-hospital care settings, out-of-hospital remote monitoring scenarios, and the upgrade of standardized interoperability. First, in-hospital settings such as ICUs, operating rooms, emergency departments, general wards, and infusion therapy will continue to require real-time data, alarm management, automated documentation, and continuous observation, because patients in these settings change rapidly, involve many devices, and place heavy pressure on nursing staff. Any data delay or missing record may affect clinical judgment. Second, remote patient monitoring, virtual care, post-discharge follow-up, and chronic disease management are expanding the application boundary of medical device connectivity services, with connectivity moving from inside the hospital toward coordination across both in-hospital and out-of-hospital care. Third, standardized interoperability frameworks such as FHIR, APIs, HL7, and IHE/PCD will help move device data from closed systems into a more open hospital data ecosystem, enabling the same data to be used by electronic medical records, clinical decision support, operational management, research databases, and artificial intelligence analytics tools. As hospitals pursue cost reduction, efficiency improvement, nursing automation, remote care, and data-driven management, this industry has sustained room for expansion.

This report studies the global Medical Device Connectivity Services demand, key companies, and key regions.

This report is a detailed and comprehensive analysis of the world market for Medical Device Connectivity Services, 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 Medical Device Connectivity Services that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Medical Device Connectivity Services total market, 2021-2032, (USD Million)

Global Medical Device Connectivity Services total market by region & country, CAGR, 2021-2032, (USD Million)

U.S. VS China: Medical Device Connectivity Services total market, key domestic companies, and share, (USD Million)

Global Medical Device Connectivity Services revenue by player, revenue and market share 2021-2026, (USD Million)

Global Medical Device Connectivity Services total market by Data Exchange Method, CAGR, 2021-2032, (USD Million)

Global Medical Device Connectivity Services total market by Application, CAGR, 2021-2032, (USD Million)

This report profiles major players in the global Medical Device Connectivity Services market based on the following parameters - company overview, revenue, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Philips, Ascom, Masimo, GE HealthCare, Baxter, Dr?ger, Mindray, Nihon Kohden, Spacelabs Healthcare, Fresenius Kabi, 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 Medical Device Connectivity Services market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), by player, by regions, by Data Exchange Method, 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 Medical Device Connectivity Services Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Medical Device Connectivity Services Market, Segmentation by Data Exchange Method:

HL7 Message Exchange

API Exchange

Other

Global Medical Device Connectivity Services Market, Segmentation by Deployment

Architecture:

On-Premise Gateway

Cloud-Managed Platform

Other

Global Medical Device Connectivity Services Market, Segmentation by Data Type:

Vital Signs Numeric Data

Alarm And Event Data

Infusion And Medication Data

Device Operational Data

Other

Global Medical Device Connectivity Services Market, Segmentation by Application:

Critical Care Connectivity

Perioperative Connectivity

General Inpatient Care Connectivity

Outpatient and Clinic Connectivity

Remote and Home Care Connectivity

Other

Companies Profiled:

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Philips

Ascom

Masimo

GE HealthCare

Baxter

Dr?ger

Mindray

Nihon Kohden

Spacelabs Healthcare

Fresenius Kabi

Getinge

B. Braun

Connexall

InterSystems

NextGen Healthcare

Rhapsody

Neusoft

Ewell Technology

Oracle

Stryker

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Lantronix

S3 Connected Health

Infosys

iHealth Labs

Medtronic

Key Questions Answered
1. How big is the global Medical Device Connectivity Services market?
2. What is the demand of the global Medical Device Connectivity Services market?
3. What is the year over year growth of the global Medical Device Connectivity Services market?
4. What is the total value of the global Medical Device Connectivity Services market?
5. Who are the Major Players in the global Medical Device Connectivity Services market?
6. What are the growth factors driving the market demand?

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