

# **Virtual Extensible LAN Market Size, Share, and Analysis, By Offering (Software, Hardware, and Services), By Application (Software-Defined Networking Overlays, Network Function Virtualizations, and Others), By End-User (Manufacturing, BFSI, Healthcare, and Others), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034**

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## **Abstracts**

Virtual Extensible LAN Market Size, Share, and Analysis, By Offering (Software, Hardware, and Services), By Application (Software-Defined Networking Overlays, Network Function Virtualizations, and Others), By End-User (Manufacturing, BFSI, Healthcare, and Others), By Region (North America, Europe, Asia-Pacific, and Rest of the World), And Regional Forecast 2024-2034

## **PRODUCT OVERVIEW**

Virtual Extensible LAN Market is anticipated to exhibit a Compound Annual Growth Rate (CAGR) of 15.3% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 1.3 billion and is projected to reach USD 6.3 billion by the completion of 2034.

Virtual Extensible LAN, or VXLAN, refers to a process to create virtual networks on top of an existing physical network infrastructure. It works by encapsulating ethernet frames, which are the basic units of data in a traditional local area network, inside UDP packets, that can then be sent over an IP-based network. This allows users to extend a

single Layer 2 network (like a LAN) across multiple physical locations, even if they are geographically distant. In addition, virtual extensible LAN uses a 24-bit VNI (VXLAN Network Identifier) to create up to 16 million separate virtual networks, thus overcoming the limitations of traditional VLANs. They are extremely useful in data centers and cloud computing ecosystems, as they enable efficient use of network resources by supporting multiple users on the same physical infrastructure and allowing workloads to be easily shifted between different physical locations without changing their network configurations.

## MARKET HIGHLIGHTS

Global Actuators and Valves Market are projected to reach USD 21.5 billion over the forecast period, as a result of rising environmental concerns and the need for eco-friendly transportation options. In addition, the increasing urban population and government support for electric transportation, and improvements in battery technology are the primary factors responsible for this trend. Moreover, low-speed electric vehicles are becoming highly popular across different industries like tourism and personal transportation due to their affordability and eco-friendly nature. Furthermore, companies are investing in research and development to improve the performance and safety features of these vehicles. Therefore, as consumers become more aware of climate change and air pollution, the market for low-speed electric vehicles is projected to rise, as it provides a practical option for short-distance transportation over traditional vehicles.

Global Virtual Extensible LAN Market Segments:

### By Offering

Software

Hardware

Services

### By Application

Software-Defined Networking Overlays

Network Function Virtualizations

Others

By End-User

Manufacturing

BFSI

Healthcare

Others

## MARKET DYNAMICS

Growth Drivers

Increasing Adoption of Cloud Computing and Data Center Virtualization

Rise of Multi-Tenant Environments and Network Segmentation Requirements

Restraint

Performance and Scalability Challenges in the Virtual Extensible LAN Market Will Impact the Growth

Key Players

VMware

Cisco Systems

Huawei Technologies

Arista Networks

Juniper Networks

Big Switch Networks

Dell Technologies

Hewlett Packard Enterprise (HPE)

Pluribus Networks

Nuage Networks (Nokia)

Pica8

Cumulus Networks

Extreme Networks

Brocade Communications

Citrix Systems

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

## Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the

years to come

3-month post-sales analyst support.

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