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Top 10 SDx and Networking Technologies (SDN & NFV, Software-Defined WAN, V-CPE, Wi-Fi-as-a-Service, Software-Defined Storage, Software-Defined Security, CDN, Software-Defined Data Center, Network Analytics, Unified Network Management)

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Abstracts

“The increasing need for simplified network architecture and enhanced security is expected to drive the growth of the software-defined everything and networking technologies”

The top 10 Software-Defined Everything (SDx) and networking technologies market is expected to grow at a significant rate between 2016 and 2021. This report covers the major SDx and networking technologies, such as Software-Defined Networking (SDN) & Network Function Virtualization (NFV), Software-Defined Wide Area Network (SD-WAN), Virtual Customer Premises Equipment (V-CPE), Wi-Fi-as-a-service, software-defined storage, software-defined security, Content Delivery Network (CDN), Software-Defined Data Center (SDDC), network analytics, and unified network management, along with their market trends between 2015 and 2021.

“Increasing need for mobility services and reduced operating expenditure fueling the growth of the software-defined wide area network market”

The SD-WAN market is expected to grow from USD 738.9 million in 2016 to USD 9,066.2 million in 2021, at a Compound Annual Growth Rate (CAGR) of 65.1% during the forecast period. The adoption of SD-WAN solutions by the enterprise user creates flexibility and combines the multiple channels to synchronize with the available network, resulting in a decrease in the bandwidth cost. High dependency on the usage of data has effectively increased the deployment of SD-WAN to reduce the bottlenecks in the

existing network connections. It is an alternative approach of deploying and designing advanced WAN services. The major factor driving the SD-WAN market in North America is the increasing bottleneck on the existing network deployed within the enterprise premises. The other driver is the rapidly increasing digital traffic, leading to spectrum congestion, and poor Quality of Service (QoS) to subscribers. The Asia-Pacific (APAC) region is expected to grow at the highest CAGR for the forecast period.

“Growing demand for cloud-based solutions and cost optimization to boost the growth of the virtual customer premises equipment market during the forecast period”

V-CPE is evolving as a promising networking technology and is being accepted by many prominent players in the networking market industry. The market is expected to grow from USD 486.5 million in 2016 to USD 2,818.8 million in 2021, at a CAGR of 42.1% during the forecast period. The V-CPE is a new concept that separates the networking functions from the excessive use of hardware to implement the software-driven virtual ecosystem. One of the primary reasons for the development of this new and innovative technology was to create an agile networking infrastructure that can work virtually, and eventually provide a highly flexible platform that eliminates the complex infrastructure of its end-users. This eliminates the concerns regarding managing and maintaining huge infrastructures on-premises, thereby reducing the Operating Expenditure (OPEX) and Capital Expenditure (CAPEX) involved in the implementation and maintenance of V-CPE infrastructure.

“Lower total cost of ownership and ease of management driving the growth of the Wi-Fi-as-a-service market”

The Wi-Fi-as-a-service market is expected to grow from USD 1,183.0 million in 2016 to USD 5,944.0 million in 2021, at a CAGR of 38.1% during the forecast period. Wi-Fi-as-a-service is extremely helpful to Small & Medium Enterprises (SMEs) and enterprises with their branch offices in dispersed geographies, enabling them to access fast, reliable, and secure networking performance, without the need to install cabled connectivity. Enterprises have been increasingly adopting the Wi-Fi-as-a-service model, as it provides various benefits, such as zero-touch provisioning & configuration, scalability, reliability, and cost-effectiveness. The major factors driving the Wi-Fi-as-a-service market include the ease of management, remote troubleshooting, faster deployment, end-to-end visibility, low CAPEX, and total cost of ownership of Wi-Fi-as-a-service.

The major players in the market for top 10 SDx and networking technologies include IBM Corporation (U.S.), Cisco Systems (U.S.), Juniper Networks (U.S.), Hewlett

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Packard Enterprise (U.S.), Dell Technologies Inc. (U.S.), Fujitsu Limited (Japan), Citrix Systems (U.S.), Brocade Communications (U.S.), NEC Corporation (Japan), and Versa Networks (U.S.).

Research Coverage:

This research report categorizes the top 10 SDx and networking technologies market by vertical, industry, application, type, region, and others. The report also discusses the major drivers, restraints, challenges, and opportunities pertaining to all the 10 markets, along with their value chain analysis and the market ranking analysis of the major players in the market.

Reasons to Buy the Report:

The report would help the leaders/new entrants in this market in the following ways:

1. This report segments the top 10 SDx and networking technologies market comprehensively and provides the closest market size estimation for all subsegments across different regions.
2. The report would help stakeholders understand the pulse of the market and provide them with the information on key drivers, restraints, challenges, and opportunities for market growth.
3. This report would help stakeholders understand their competitors better and gain more insights to improve their position in the business. The report also includes competitor ecosystem, new product launches & developments, partnerships, and mergers & acquisitions.

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