

Vietnam Virtualized Evolved Packet Core Market, By Component Type (Solution Vs Services), By End User (Telecom Operator Vs Enterprise), By Use (Internet of Things (IoT) and Machine to Machine (M2M), Mobile Private Networks (MPN's) and Mobile Virtual Network Operators (MVNO's), By Region, Competition Forecast & Opportunities, 2018-2028

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Abstracts

Vietnam Virtualized Evolved Packet Core Market is anticipated to grow robustly during the forecast period, 2024-2028. The market is being driven by the expansion of Virtualized Evolved Packet Core throughout Vietnam, an increase in mobile network data traffic, an increase in smartphone subscriptions, an increase in the average amount of data used by each subscription, a shift in business usage toward cloud services, and high bandwidth. Rising security concerns, complicated networks with weak links, security risks, lack of understanding, and a lack of resources to move toward virtualization are the issues limiting industry growth. Opportunities for market expansion are anticipated to come from the IoT market's rising growth, the ability to customize products affordably, low latency, improvements in machine-to-machine communication networks, and the transition from LTE to 5G technology.

A cutting-edge mobile-core network technology gaining popularity in the telecommunications sector is the Virtualized Evolved Packet Core network system. The user base's ongoing expansion does not necessarily affect the industry's revenues. In order to enhance capacity and coverage while reducing overall operating costs, telecom companies are looking for new strategies. Evolved Packet Core is being quickly virtualized by network operators to increase service quality at a cheap cost. Technologies such as 5G, IoT, and M2M developments are also driving the adoption of

Virtualized Evolved Packet Core. More opportunities for cutting-edge mobile-core network systems will become available as these technologies develop. Theoretically, mobile operators can design networks by virtualizing advanced Packet Core capabilities and combining and rearranging certain network elements to meet the unique needs of different consumers. Additionally, vEPC can save CAPEX and OPEX while accelerating service delivery, enabling on-demand scalability, and reacting to real-time network conditions and user needs by reducing reliance on specialist hardware.

Expanding Mobile Network Data Traffic

The key factors propelling the growth of the Virtualized Evolved Packet Core Market are rising demand for 5G network commercialization, IoT deployment, and agile networks; rising demand for broadband services over mobile networks; and growing need to reduce operational expenditure (OPEX) and capital expenditure (CAPEX). However, factors including the economic slow down and the increasing number of security concerns across the network infrastructure are hindering the market growth.

Additionally, due to the rising use of smartphones and the accessibility of low-cost, high-speed network connections, mobile data traffic is growing all across Vietnam. For instance, according to GSMA Intelligence, the percentage of people who own a smartphone is predicted to rise from 65% in 2021 to 80% by the end of 2025. As a result, virtualized evolving packet core solutions are now required to manage the expanding mobile data traffic. The efficient management of mobile data traffic by a virtualized evolving packet core increases throughput, reduces network congestion problems, optimizes resource consumption, and improves service quality.

Technology Development in Cellular Networks

Another key factors driving the use of virtualized evolved packet core systems is the advancement of cellular network technology, which offers faster data throughput and lower latency. Consumer desire for video as well as business and consumer move to adopt cloud services have been major drivers of the fast increasing data volume. The increasing use of services and applications in consumer electronics devices and business-to-business (B2B) communication systems, which are currently testing or using data-intensive applications such as AR, VR, 3D, and ultra-HD video content, is the main factor driving demand for mobile data services. Mobile data traffic has increased as a result of cellular networks carrying a significant amount of data. The virtualized evolving packet core is anticipated to be driven by a sharp growth in mobile data traffic.

Restraining factors

This market's expansion is hampered by resistance to switching to virtual infrastructure and competition from traditional infrastructure. Furthermore, the market for virtualized evolving packet cores has a lot of prospects due to the growth in machine-to-machine (M2M) and Internet of Things (IoT) communication devices. The transfer from traditional infrastructure, or legacy infrastructure, to virtualization is one of the biggest difficulties that enterprises today face. The majority of businesses still lack the knowledge and resources necessary to make the switch to virtualization, which limits the market's expansion. Additionally, the market for the virtualized evolved packet core is anticipated to be constrained by the high cost associated with the shift toward virtualization.

Market Segmentation

The Vietnam Virtualized Evolved Packet Core Market is segmented on the basis of component type, end user, and use. Based on component type, the market is divided into solution and services. On the basis of end user, the market is divided into telecom operator and enterprise. Based on use, the market is further segmented into Internet of Things (IoT) and Machine to Machine (M2M), Mobile Private Networks (MPN's) and Mobile Virtual Network Operators (MVNO's).

Market player

Some of the major players in the Vietnam Virtualized Evolved Packet Core Market include Affirmed Networks, Inc., Ericsson AB, Huawei Technologies (Vietnam) Co., Ltd, ZTE Corporation, NEC Vietnam Co., Ltd, Nokia Vietnam Technology and Network Services Co., Ltd, Cisco Systems Vietnam Co., Ltd., Samsung Electronics Vietnam Company Limited, Mavenir Systems, and Athonet.

Report Scope:

In this report, Vietnam Virtualized Evolved Packet Core Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Vietnam Virtualized Evolved Packet Core Market, By Component Type:

Solution

Services

Vietnam Virtualized Evolved Packet Core Market, By End User:

Telecom Operator

Enterprise

Vietnam Virtualized Evolved Packet Core Market, By Use:

Internet of Things (IoT) and Machine to Machine (M2M)

Mobile Private Networks (MPN's) and Mobile Virtual Network Operators (MVNO's)

Vietnam Virtualized Evolved Packet Core Market, By Region:

Northern Vietnam

Southern Vietnam

Central Vietnam

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Vietnam Virtualized Evolved Packet Core Market

Available Customizations:

With the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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