

# **Global RF-over-Fiber (RFoF) Market Size study, by Component (Optical Cables, Optical Amplifiers, Transceivers, Optical Switches, Antennas), by Frequency Band (L, S, C, X, KU, and KA), by Application (Telecommunications, Radar, Navigation, Broadcast, and Broadband), by Vertical (Civil and Military) and by Regional Forecasts 2018-2025**

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## **Abstracts**

Global RF-over-Fiber (RFoF) Market to reach USD 752.5 million by 2025.

Global RF-over-Fiber (RFoF) Market valued approximately USD 279.1 million in 2016 is anticipated to grow with a healthy growth rate of more than 11.65% over the forecast period 2017-2025. Rapidly growing entertainment industry, increasing use of mobile phones and other cellular communication after innovations of fast internet technology like long term evolution 5G are driving the growth of Global RF-over-Fiber (RFoF) Market. Increasing market of cable television networks, and the growing demand for high-speed cellular connectivity because of the increasing use of smartphones, the growing use of internet worldwide, increasing military applications like improvement in communication are the factors that are rising deployment of RF over fiber products. The Radio Frequency over Fiber is a technology which is used to transmit radio frequency over a fiber network. By using the RFoF, a large bandwidth can be modulated so it supports a greater number of users as compared to regular wireless technology. The RFoF technology consists of RF signal and fiber optic link, and this can be used to send wireless signal in outdoor ranges. RFoF technology has numerous advantages over other coaxial cable like low signal losses, hence RF signal transmission over a long distance using fiber optic network is possible with no need of signal amplification. The RFoF has an attractive property that Electromagnetic Interference (EMI) has almost

negligible effect in optical fiber communications. This feature of fiber optic communication, has made it suitable for transmitting microwaves. RFoF have many good features, but the cost of installation of RFoF such as antenna and other broadcasting products depends various factors such as the distance and frequency range, and therefore the overall installation cost of RFoF varies as per requirement. This is the factor that hinder the growth of the Global RF-over-Fiber (RFoF) Market.

The regional analysis of Global RF-over-Fiber (RFoF) Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share. Whereas, owing to the countries such as China, Japan, and India, Asia Pacific region is anticipated to exhibit higher growth rate / CAGR over the forecast period 2018-2025.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

Optical Cables

Optical Amplifiers

Transceivers

Optical Switches

Antennas

Others

## By Frequency Band:

L Band

S Band

C Band

X Band

KU Band

KA Band

## By Application:

Telecommunications

Radar

Navigation

Broadcast

Broadband

## By Vertical:

Civil

Military

## By Regions:

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2015, 2016

Base year – 2017

Forecast period – 2018 to 2025

The industry is seeming to be fairly competitive. Some of the leading market players include Finisar, Huber + Suhner, Broadcom, Emcore, Gooch & Housego, Seikoh Giken, APIC Corporation, Dev Systemtechnik, Foxcom, Glenair, Optical Zonu, RF-Design,

Syntonics LLC, Pharad, Fibertower, Intelibs, Vialite Communication and so on. Acquisitions and effective mergers are some of the strategies adopted by the key manufacturers. New product launches and continuous technological innovations are the key strategies adopted by the major players.

Target Audience of the Global RF-over-Fiber (RFoF) in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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