

Global Radio Over Fiber Market Growth 2019-2024

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Abstracts

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Radio Over Fiber is a technology that describes the conversion of a Radio Frequency (RF) signal into a Fiber Optic (FO) signal and then back to an RF signal. In Radio Over Fiber architecture, a data-carrying RF (Radio Frequency) signal with a high frequency (usually greater than 10 GHz is imposed on a lightwave signal before being transported over the optical link. Therefore, wireless signals are optically distributed to base stations directly at high frequencies and converted from the optical to electrical domain at the base stations before being amplified and radiated by an antenna. As a result, no frequency up/down conversion is required at the various base stations, thereby resulting in simple and rather cost-effective implementation is enabled at the base stations.

Radio over fiber has recently emerged as a useful technology for providing specialized coverage of wireless communications services. It was first proposed and demonstrated by Cooper et al in 1990. This relatively 'niche' market is expected to grow significantly in the future as new radio over fiber technologies emerge and their applications become more diverse and less costly. Radio over fiber is poised to become the dominant access transmission technology for low-power wireless networks.

The industry is relatively concentration, the key brand include Finisar, HUBER + SUHNER, RF Optic, Emcore, APIC Corporation, Syntronics LLC, DEV Systemtechnik, ViaLite, Foxcom, Optical Zonu, Pharad, Fibertower, Intelibs and so on.

According to this study, over the next five years the Radio Over Fiber market will register a 11.4% CAGR in terms of revenue, the global market size will reach US\$ 570 million by 2024, from US\$ 300 million in 2019. In particular, this report presents the global market share (sales and revenue) of key companies in Radio Over Fiber business, shared in Chapter 3.

This report presents a comprehensive overview, market shares, and growth

opportunities of Radio Over Fiber market by product type, application, key manufacturers and key regions and countries.

This study considers the Radio Over Fiber value and volume generated from the sales of the following segments:

Segmentation by product type: breakdown data from 2014 to 2019, in Section 2.3; and forecast to 2024 in section 11.7.

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