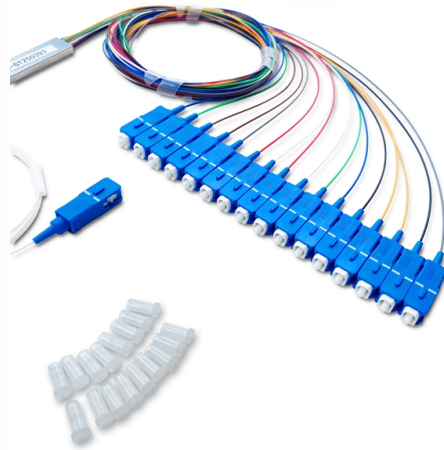


Mobile fiber optic cables in Democratic Republic of Congo are full



AI Overview

Mobile fiber optic networks in the DRC are currently constrained, with limited backbone infrastructure and high demand leading to network saturation, but expansion projects and satellite initiatives are underway to improve capacity.

Current Network Situation The DRC's digital infrastructure remains underdeveloped, with overall internet penetration below 10% and unique mobile broadband subscriptions around 20%. Only about 40% of the population owns a mobile phone, and coverage outside major cities is limited, with 64% having 3G service and 18% 4G service. High prices and insufficient backbone infrastructure contribute to congestion on mobile fiber networks, particularly in urban areas where demand is concentrated. As of 2023, the DRC had 28.9 million mobile internet subscribers with a penetration rate of 30.4%, while the total number of mobile phone subscribers was 56.1 million, indicating significant pressure on existing fiber and mobile networks.

Expansion and Infrastructure Projects To address these limitations, the government and private partners are actively expanding fiber optic infrastructure: SOCOF SA, the Congolese Fiber Optic Company, is deploying fiber along new roads and key transport routes, including a 620 km route between Kinshasa and Muanda, and integrating fiber into mining infrastructure projects funded by Chinese consortiums. The African Development Bank (AfDB) is backing a €66.55 million fiber optic project, including a 600 km cable connecting the DRC with Cameroon and the Central African Republic and a National Data Centre to improve local data management and reduce reliance on foreign servers. The government is also operationalizing a universal service fund to extend connectivity to rural areas, aiming to connect citizens nationwide.

Satellite Internet as a Complement Recognizing that fiber alone cannot meet demand quickly...

Article Content

DRC partners with China's Genew Technologies on \$1.5B Congo River fiber ...

NEWS: The Democratic Republic of the Congo has partnered with China's Genew Technologies to build a fiber-optic route along the Congo River worth US\$1.5 billion.

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This document contains a long list of words beginning with "ab-" or "ac-". It does not appear to be a coherent text, but rather a collection of unrelated terms.

Toslink Optical Audio Cable SPDIF Digital Fiber Optic Sound Cord

Designed for high-fidelity sound, this SPDIF fiber optic cable supports Dolby Digital, DTS, and other uncompressed digital audio formats, delivering crystal-clear signal transmission without

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Second, the ongoing fiber-optic cable project should be completed, facilitating the development of widespread and reliable mobile internet coverage, especially in rural areas.

DRC plans \$1.5B fiber-optic project along Congo River

The project covers about 2,100km of infrastructure, including 1,700km of fiber-optic cable along the Congo River from Muanda to Kisangani and nearly 400km of terrestrial connections.

SOCOF and APCSC to deploy fibre along new roads in the DRC

In 2022, Paratus Group's DRC subsidiary Fast Congo was awarded a tender by SOCOF to deploy, operate and maintain a 620-km fibre optic link between Muanda on the west coast and the

DRC Plans Tender for 11,500 km National Fiber-Optic Network

The project aims to facilitate access to digital services for more than 30 million Congolese citizens and extend mobile coverage to 650 additional communities. It also plans to connect more

DRC Explores River Corridor Project to Expand National Fiber Optic ...

The proposed project covers about 2,100 kilometers of infrastructure, including 1,700 kilometers of fiber-optic cable running along the Congo River from Muanda to Kisangani and nearly

Improving connectivity and accelerating economic growth across

Today, Google announced new investments in digital infrastructure and security initiatives designed to increase digital connectivity, accelerate economic growth, and deepen

Fiber optics in the DRC: A strategic partnership for a digital leap

Priority projects include the deployment of 50,000 kilometers of fiber optic cable, the construction of data centers, and the improvement of network coverage in rural areas. To date, only

SOCOF and APCSC to deploy fiber along new roads in the DRC

Congolese Fiber Optic Company (SOCOF SA) has reportedly signed a partnership with the Agency for the Coordination and Monitoring of Collaboration Agreements (APCSC) to deploy

Genew Technologies to lay 1,700 km of fiber along the Congo River bed

The government of the Democratic Republic of Congo (DRC) has signed a Memorandum of Understanding (MoU) with Chinese telecommunications and infrastructure firm Genew Technologies

DR Congo €8B Digital Plan: What It Includes (Telecom, Infrastructure ...

To improve connectivity, the project plans to deploy between 37,000 and 50,000 miles (60,000–80,000 kilometers) of fiber-optic cable across all 145 territories.

DRC Plans 2,100 km Fiber-Optic Corridor Along the Congo River

The proposed project covers about 2,100 kilometers of infrastructure, including 1,700 kilometers of fiber-optic cable along the Congo River from Muanda to Kisangani and nearly 400

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The Ministry of Posts, Telecommunications and Digital Affairs in the Democratic Republic of the Congo (DRC) has signed a memorandum of understanding (MoU) with Genew Technologies for

Average Salary in Democratic Republic of the Congo for 2026

What people in Democratic Republic of the Congo earn in 2026: median, percentiles, top-paying jobs, gender split and how pay compares across categories.

DR Congo Readies Tender for Nationwide Fiber-Optic Network

The Democratic Republic of Congo is preparing an international tender for the construction and operation of a national fiber-optic network spanning more than 11,500 kilometers, including 1,500

Global Legal Chronicle

Kirkland & Ellis has advised Vertex Pharmaceuticals Incorporated. Paul, Weiss, Rifkind, Wharton & Garrison LLP and Morrison Foerster LLP have advised Crinetics Pharmaceuticals, Inc. Vertex

How can we bring ICT to everyone? | World Economic Forum

In a fiber optic backbone, multiple ducts will normally be installed to meet future demand. However, the addition of extra fiber optic cables would impact the project's financials and can

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