

Article Overview

Niger has completed a 1,031-km fiber optic backbone under the Trans-Sahara Optical Fibre Backbone Project, significantly enhancing national and regional connectivity.

Overview of the Project

Niger's fiber optic initiative, part of the Trans-Sahara Optical Fibre Backbone (TSB) Project, was financed by the African Development Bank Group with an estimated cost of EUR43-50 million, including contributions from the African Development Fund and national counterparts . The project aims to improve broadband access, reduce digital isolation, and strengthen regional integration with neighboring countries.

Network Scope and Routes

The network spans 1,031 km across five key routes connecting Niger internally and to its borders:

- o Arlit-Assamaka-Algerian border (220 km)
- o Diffa-N'Guigmi-Chadian border (186 km)
- o Zinder-Magara-Nigerian border (117 km)
- o Niamey-Dosso-Gaya-Benin border (300 km)
- o Niamey-Makalondi-Burkina Faso border (118 km) Additionally, an 88-km urban local loop links main administrative sites to a planned Tier III national data center .

Regional Connectivity

As a landlocked country, Niger previously lacked direct access to submarine cables. The new backbone allows connections to neighboring countries with major landing points:

- o Nigeria: 8 submarine cables
- o Benin: 3 cables
- o Algeria: 5 cables (2 more expected by 2026)
- o Chad: Routes to Cameroon, Sudan, and Libya
- o Burkina Faso: Access via Togo, Ghana, and Cote d'Ivoire This integration provides more resilient international connectivity and reduces costs for businesses, administrations, and citizens.

Impact and Benefits

The fiber optic network is expected to:

Fiber Optic Cable in Niger

- o Enhance broadband access across Niger, where only 20% of the population previously had internet access .
 - o Support digital services such as e-commerce, mobile financial services, and e-government .
 - o Boost economic opportunities for youth and improve public service digitization .
 - o Strengthen regional digital integration, linking Niger with Algeria, Nigeria, Chad, Benin, and Burkina Faso .
- The project represents a strategic step toward a connected, inclusive, and technologically sovereign Africa, aligning with Niger's national vision for high-speed telecommunications infrastructure .

Conclusion

Niger's completion of the Trans-Sahara fiber optic backbone marks a major milestone in national and regional digital connectivity, providing the country with a robust platform for economic growth, digital services, and integration into the broader African digital ecosystem .

NIAMEY, Niger, November 21, 2025/ -- Niger has taken a major step forward in improving the country's broadband

Niger Fibre Optic Cable Market offers insights into key players, emerging trends, and competitive dynamics shaping the industry

From 2009 to 2024, 21 applications for fibre optic laying were approved by the Niger State Urban Development Board;

The project has two major components: first, the construction of a 1,031-km national and cross-border fibre-optic

Niger Fibre Optic Cables Market: Top 5 Importing Countries and Market Competition (HHI) Analysis The import shipments of fiber

Niger has completed all sections of its component of the Trans-Saharan Fiber Optic Backbone. A provisional

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Niger Fiber Optic Cables Market: Top 5 Importing Countries and Market Competition (HHI) Analysis Niger's fiber optic cables import

In November 2025, Niger officially completed provisional acceptance of the fibre-optic sections built under the Trans

Fiber Optic Cable in Niger

Niger reached a major milestone in its digital transformation with the provisional launch of 1,031 km of fiber optic under the Trans

The Niger republic is resolutely engaged in a process of digital transformation through the "Smart-Africa" summit on the one hand,

NIAMEY, Niger, November 21, 2025 / -- Niger has taken a major step forward in improving the country's broadband connectivity and

Niger Fiber Optics Cable Market analyzes supply chain dynamics and production trends, providing insights into manufacturing

The fiber-optic backbone links Niger to the SAT3 undersea cable off the coasts of West Africa connecting Spain to

Niger has completed its 1,031-km segment of the Trans-Saharan Fiber Optic Backbone, advancing its national digital

Niger takes a major step towards high-speed connectivity with handover of over 1,000 km of fibre-optic cable
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