

Uzbekistan Fiber Optic Communication Network Technology



AI Overview

Uzbekistan has rapidly expanded its fiber optic network, with over 170,000 km of lines, high-speed broadband access for most settlements, and ongoing international connectivity projects. National Fiber Optic Infrastructure Uzbekistan has made significant strides in modernizing its telecommunications infrastructure. By the end of 2022, the country had laid an additional 50,000 km of fiber optic lines, bringing the total length to 170,000 km, covering approximately 80% of settlements with high-speed internet access. Uzbehtelecom, the leading national operator, has been central to this expansion, systematically extending fiber optic connectivity even to remote regions. The network supports broadband access for 4.6 million users, with mobile broadband coverage reaching 98% of the population. Technological Capabilities and Data Centers Uzbekistan's fiber optic network is complemented by modern data infrastructure. In 2022, two large data centers were built, and existing facilities were expanded, including a data processing and storage center with 5 Petabytes capacity. The network supports high-speed internet with download speeds averaging 40.16 Mbps, ranking Uzbekistan 86th globally in wired internet speed, and competitive in mobile internet costs and broadband services. The transport network capacity is being upgraded to 700 Gbit/s to regional centers and 80 Gbit/s to district centers, ensuring robust backbone connectivity. International Connectivity and Strategic Projects Uzbekistan is actively enhancing international fiber optic links. The Trans-Caspian fiber-optic cable project, expected to be completed by late 2026, will connect Uzbekistan to Azerbaijan, providing an alternative route that reduces dependence on Russian-controlled networks. This project, involving partnerships with firms like DataVolt and potential collaboration with global tech companies, is strate...

Article Content

The total length of fiber-optic communication lines in Uzbekistan ...

Download scientific diagram | The total length of fiber-optic communication lines in Uzbekistan (thousand kilometers) from publication: Uzbekistan's Digitalization Policy Achievements and ...

Telecommunications in Uzbekistan

Uzbekistan is linked by fiber-optic cable or microwave radio relay with CIS member states and to other countries by leased connection via the Moscow international gateway switch.

Uzbekistan's Internet Makeover: Blazing Speeds, New Satellites, and ...

Uzbekistan's internet infrastructure has rapidly evolved from slow dial-up and DSL connections to modern fiber-optic and wireless networks. The state-run operator Uztelecom has

Uzbekistan lays 7,800 kilometers of fiber-optic communication lines

In particular, it is planned to install 2,200 3G / 4G base stations this year. As part of the development of telecommunication network projects, 7.8 thousand kilometers of fiber-optic

Uzbekistan Fibre Optic Cables Market (2025-2031)

6Wresearch actively monitors the Uzbekistan Fibre Optic Cables Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and

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Uzbekistan's Internet Makeover: Blazing Speeds, New Satellites, and ...

Uzbekistan's internet infrastructure has shifted from slow dial-up to fiber and 4G/5G networks, with Uztelecom expanding fiber backbones and boosting international capacity to 3.2 Tbps

Uzbekistan lays 7,800 kilometers of fiber-optic communication lines

In particular, in 2020, it is planned to create at least 800 thousand broadband Internet ports and lay 12 thousand kilometers of fiber-optic communication lines.

Fiber optic communication networks will be designed and deployed in ...

Uzbek company JSC "ELEKTRQISHLOQQURILISH" implements a project for the Design, Procurement, and Installation of fiber optic cables in the Andijan, Namangan, and Fergana

Supporting Digitization: Enhancing Telecommunications Infrastructure in ...

Since the beginning of 2018, the Government of Uzbekistan has announced ambitious development goals for the telecommunications sector, including plans to liberalize markets and actively seek

Kazakhstan, Uzbekistan putting digital distance between themselves

Kazakhstan already has two fiber-optic cable connections with Chinese networks, but Kazakh authorities are reportedly hesitant to expand in that direction, given China's well-known

Uzbekistan, Omnitele Explore Telecom Infrastructure Development

During the meeting, the parties reviewed issues related to the expansion of broadband internet networks, the introduction of 5G technologies, and the modernization of telecommunications

Uzbekistan Communications 2024, CIA World Factbook

NOTE: The information regarding Uzbekistan on this page is re-published from the 2024 World Fact Book of the United States Central Intelligence Agency and other sources.

FEZ "Jizzakh": construction of the Global Optical Communication ...

The development of Uzbekistan's digital economy requires a modern high-speed and reliable telecommunications network. Today, Uzbekistan is actively switching from copper to fiber

Telecommunication

In order to develop telecommunications networks, an additional 50,000 kilometers of fiber optic lines were laid, and as a result, the total length was increased to 170,000 kilometers, and about 80 percent

Uzbekistan to further develop telecommunications infrastructure

Accordingly, by 2023, the capacity of the international data transmission channel will be increased by 3.5 times, the data transmission network will be expanded due to the construction of

Uzbekistan is radically improving its telecommunications infrastructure ...

Specifically, Global Optical Communication Uzbekistan, which specializes in production of fiber-optic communication cables operating in Jizzakh Free Economic Zone, and Telecom Innovation, which

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Uztelecom is in the process of expanding its fixed broadband and wireless network population coverage. This will improve access to digital services and contribute towards accelerating the digitization of the

Telecommunication

In subsequent years, work will be carried out to provide all settlements of the republic with a fiber-optic network, access to all households with high-speed Internet, coverage of all highways of international

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Uzbekistan is radically improving its telecommunications infrastructure ...

In particular, for the last year the company's employees have built over 50 thousand km of fiber-optic communication lines in order to provide population and social objects in the regions with high-speed

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