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Turkmenistan Communications installs 5g base station



Overview

Does Turkmenistan have a 5G network?

By June 2025, Arkadag became the first city in Turkmenistan with a pilot 5G network, implemented in cooperation with China's Huawei and using the national satellite for backhaul . This 5G pilot is an exception – nationwide, Turkmenistan's mobile data operates mostly on slower 3G/4G technologies.

When did 5G start in Turkmenistan?

In February 2025, a 4G+ (LTE-Advanced) network was launched in the model "smart city" of Arkadag . By June 2025, Arkadag became the first city in Turkmenistan with a pilot 5G network, implemented in cooperation with China's Huawei and using the national satellite for backhaul .

Will Turkmenistan launch 5G in 2025?

In June 2025, officials claimed to launch 5G in Arkadag as a pilot – making it the first 5G deployment in Turkmenistan . This 5G network reportedly uses the TürkmenÄlem-52°E satellite to provide backhaul/frequency, given the lack of a robust terrestrial fiber backbone in that area .

Will Turkmenistan have a national digital network in 2022?

"National Digital Network" Initiative: In 2022, Turkmenistan announced plans for a so-called national "digital network" that would not be connected to the global internet . This appears to be an attempt to create a domestic intranet for e-government and information sharing under full state control.

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Base stations manufactured by the Chinese company Huawei have already been installed to test the technology. According to the Director General of the Agency for Transport ...

An even more significant step will be the introduction of 5G technology, which will first appear in smart city. Huawei communication base stations have been installed to test the ...

Huawei, which has a 20+ year relationship with Turkmenistan's telecom sector, supplied the 5G base stations [60]. Outside Arkadag, however, there is no 5G yet; ...

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In accordance with the directives of the Head of State to explore the advantages of 5G technologies and implement them in the city of Arkadag, cooperation and technological ...

ASHGABAT, Turkmenistan, June 30. Turkmenistan has officially rolled out a 5G mobile communication network in the city of Arkadag, taking a giant leap forward in its digital ...

Turkmenistan explores 5G deployment as Huawei expands GPON installations and strengthens its 20-year telecom partnership with the country.

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Turkmenistan is starting to implement 5G technology - the first new generation network will be deployed in the city of Arkadag. This became known during the working visit of ...

WNAM MONITORING: Turkmenistan is starting to implement 5G technology - the first new generation network will be deployed in the city of Arkadag. This became known ...

· The 5G Base station (BTS) is a transceiver station that operates on 5G mobile communication standards, which is an advanced solution for providing high-speed mobile

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