

Tuvalu has a 5G communication base station





Overview

Telecommunications in Tuvalu cover 's 6 and 3 islands. The rely on satellite dishes for communication and internet access. The (TTC), a state-owned enterprise, provides fixed line telephone communications to subscribers on each island and mobile phone services on , and . TTC is a distributor of service (satellite televisio.

How do the islands of Tuvalu communicate?

The islands of Tuvalu rely on satellite dishes for communication and internet access. The Tuvalu Telecommunications Corporation (TTC), a state-owned enterprise, provides fixed line telephone communications to subscribers on each island and mobile phone services on Funafuti, Vaitupu and Nukulaelae.

How many mobile connections are there in Tuvalu?

Data from GSMA Intelligence shows that there were 4,833 cellular mobile connections in Tuvalu at the beginning of 2025. For perspective, many people make use of more than one mobile connection, so it's not unusual for mobile connection figures to significantly exceed figures for total population.

What is the Tuvalu Telecommunications & ICT development project?

In January 2019 the World Bank approved a US\$29 million grant for the Tuvalu Telecommunications and ICT Development Project which is intended to boost internet connectivity in Tuvalu, including to the country's outer islands.

How many broadband users does Tuvalu have?

Also, Tuvalu has 5,915 active broadband users (the largest base of users is on Funafuti), with dedicated satellite and hotspot users on the outer islands, each of which has 3 to 5 hotspots.

Does Tuvalu have Internet access?

However, note that some of these connections may only include services such as voice and SMS, and some may not include access to the internet. There were 7,106 individuals using the internet in Tuvalu at the start of 2025, when



online penetration stood at 74.3 percent.

How many phone lines are there in Tuvalu?

Telephones - main lines in use: 2,000 (2021) Telephones - mobile cellular: 9000 (2021) Radio broadcast stations: AM 1, FM 0, shortwave 0 (2011) - The Tuvalu Media Department of the Government of Tuvalu operates Radio Tuvalu, which broadcasts on the AM frequency.



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Tuvalu , CTO Live site

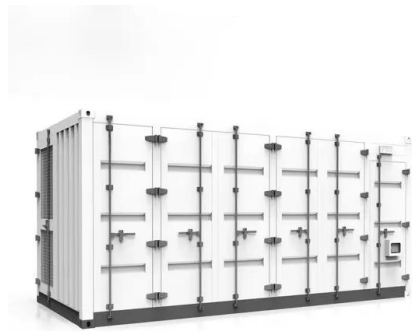
Population Coverage by mobile network (at least 5G) Refers to the percentage of inhabitants that are within range of at least a 5G mobile-cellular signal, irrespective of whether or not they are ...

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Optimizing the ultra-dense 5G base stations in urban outdoor ...

The developed model can facilitate the rollout of 5G technology. Due to the high propagation loss and blockage-sensitive characteristics of millimeter waves (mmWaves), ...

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Tuvalu , Mobile for Development

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[Research and Implementation of 5G Base Station Location ...](#)

The application requirements of 5G have reached a new height, and the location of base stations is an important factor affecting the signal. Based on factors such as base station ...



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Network coverage in Tuvalu

5G is the fifth generation of mobile phone communications standards. It is a successor to 4G and promises to be faster than previous generations while opening up new uses cases for mobile ...

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[China has more than 3.8 million 5G base stations](#)

China's 5G base stations account for 60 percent of the global total, Zhao added. In China, more than half of all mobile phone users are 5G users, Zhao told MWC Shanghai. ...

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[Installation of Base Stations and Radiation Safety](#)

The rollout of 5G services needs the establishment of an extensive network of radio base stations and small cells to support very high-speed data transmission and ubiquitous coverage. To ...

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[Tuvalu Telecommunications Corporation](#)

Tuvalu Telecom is now offering Starlink Residential Plans to all customers across Tuvalu! Whether you're in Funafuti or on the outer islands, you can now enjoy fast, reliable internet ...

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Optimization of 5G base station coverage based on self-adaptive

While enhancing the performance of individual base stations is crucial, the synergistic effect among all base stations is equally indispensable for further enhancing the ...

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[Unveiling the 5G Base Station: The Backbone of Next-Gen ...](#)

Explore the inner workings of 5G base stations, the critical infrastructure enabling high-speed, low-latency wireless connectivity. Discover their components, architecture, enabling ...

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[Tuvalu taps Kacific for suite of connectivity services](#)

Kacific has signed a five-year agreement with the Government of Tuvalu to provide the Pacific Island nation with high-speed broadband internet connectivity via satellite.

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[Research and Implementation of 5G Base Station Location ...](#)

1 Introduction and Literature Review With the rapid development of 5G, communication bandwidth has become a key national development object, among which information and communication ...

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SpaceX's Starlink files for ground station site in Tampa, Florida

Construction work on the Tuvalu Vaka subsea cable started in December 2024. The project, a collaboration between Tuvalu Telecom and Google, is a branching unit of Google's ...

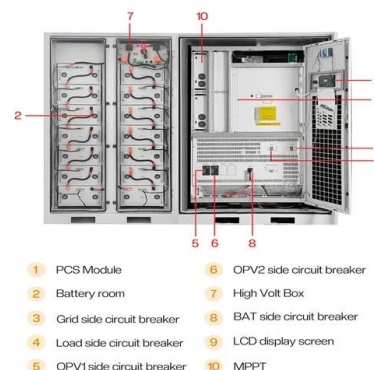
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Telecommunications in Tuvalu

OverviewTelephonesRadio and televisionInternet Service Providers (ISPs)Tuvalu Telecommunications and ICT Development Project

Telecommunications in Tuvalu cover Tuvalu's 6 atolls and 3 reef islands. The islands of Tuvalu rely on satellite dishes for communication and internet access. The Tuvalu Telecommunications Corporation (TTC), a state-owned enterprise, provides fixed line telephone communications to subscribers on each island and mobile phone services on Funafuti, Vaitupu and Nukulaelae. TTC is a distributor of Fiji Television service (Sky Pacific satellite televisio...

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From Satellite Struggles to Starlink: Tuvalu's Internet Revolution

The global median fixed broadband speed is above 100 Mbps, a level Tuvalu could never



approach with its tiny satellite pipes. But the combination of Starlink and the upcoming ...

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Digital 2025: Tuvalu -- DataReportal - Global Digital Insights

Meanwhile, GSMA Intelligence's data suggests that 100% of mobile connections in Tuvalu can now be considered "broadband", which means that they connect via 3G, 4G, or 5G ...

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FLEXIBLE SETTING OF MULTIPLE WORKING MODES



Telecommunications in Tuvalu

The islands of Tuvalu rely on satellite dishes for communication and internet access. The Tuvalu Telecommunications Corporation (TTC), a state-owned enterprise, provides fixed line ...

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DCCP-GDIP Tuvalu NBP Draft v1.3

Tuvalu's ICT sector is characterized by a single government-owned telecommunications provider, Tuvalu Telecommunications Corporation (TTC). TTC is the sole provider of the government's ...

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