

# **How many base stations are there in Indonesia for 5G communication**





## Overview

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Where is Telkomsel launching 4G & 5G mobile services in Indonesia?

Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, Nusantara which is set to open on August 17, located on the island of Borneo, 800 miles away from the current capital Jakarta on the island of Java.

Does Indonesia have a 5G network?

In Indonesia, 5G rollout is progressing, with commercial services launched by Telkomsel, Indosat Ooredoo and XL Axiata since 2021, utilising existing spectrum holdings in the 1800 MHz, 2.1 GHz and 2.3 GHz bands. As of the end of 2024, 5G networks covered 26.3% of Indonesia's population, or around 15.7 million 5G connections.

Which Indonesian telco will provide 5G services?

Telkomsel will become the first Indonesian telco to provide 5G services from the opening of the new capital. The carrier said this week that it has optimized its network in two IKN buffer cities, Balikpapan and Samarinda.

How many GHz will Indonesia use for 5G?

Plan for the use of 4.8 GHz and the entire upper 6 GHz (6.425–7.125 GHz) 47 bands to support further development of 5G. The additional 700 MHz in the upper 6 GHz band will go a long way to addressing Indonesia's mid-band needs.



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Indonesia in focus: charting a path to network excellence

Jun 3, 2025 · Most 5G deployments are still confined to urban centers, leaving large parts of Indonesia's vast geography underserved. For example, Telkomsel has launched only 2,200 ...

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India: number of 5G base transceiver stations 2025, Statista

Nov 27, 2025 · As of August 2025, there were around \*\*\*\*\* thousand 5G base transceiver stations deployed in India.

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What is a base station and how are 4G/5G ...

Aug 16, 2022 · What is a base station and how are 4G/5G base stations different? Base station is a stationary trans-receiver that serves as the ...

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Telkomsel readies 4G and 5G network for Indonesia's new ...

Aug 8, 2024 · Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, Nusantara (IKN). Nusantara is set to open on ...

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Accelerating 5G in Indonesia

Mar 26, 2025 · This report examines 5G spectrum planning in Indonesia, discusses the key challenges in securing sufficient spectrum resources ...

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Indonesia 5G Infrastructure Market Size and ...

In Indonesia 5G Infrastructure Market, offering valuable insights, key market trends, competitive landscape, and future outlook to support strategic ...

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Accelerating 5G in Indonesia: A spectrum roadmap for ...

Mar 26, 2025 · The government's proposal to allocate the 3.4-3.7 GHz range for future 5G networks marks a positive step forward.<sup>38</sup> However, the proposed award in 2027 will place ...

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Telkomsel deploys base stations to support 4G and 5G ...

Aug 9, 2024 · Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, Nusantara which is set to open on August 17, ...

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Telkom Indonesia: number of 5G BTS 2024

Nov 27, 2025 · At the end of financial year 2024, the total number of 5G base transceiver stations (BTS) of PT Telkom Indonesia Group amounted to \*\*\* ...

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Telkomsel deploys base stations to support ...

Aug 9, 2024 · Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, ...

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### 5G Base Station Market Size & Share Outlook ...

Sep 22, 2025 · The 5G Base Station Market is expected to reach USD 37.44 billion in 2025 and grow at a CAGR of 28.67% to reach USD 132.06 ...

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### 5G Base Station

Jun 26, 2023 · 5G base station is the core equipment of 5G network, which provides wireless coverage and realizes wireless signal transmission ...

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### Starlink Ground Station Locations (2025)

1 day ago · Starlink, to deliver internet connectivity to its users, relies on a system of ground stations called gateways. These gateways act as an ...

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### Telkomsel readies 4G and 5G network for ...

Aug 8, 2024 · Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, ...

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### What is a 5G base station?

In Summary, The 5g Base Station is a Critical Element of the 5g Wireless Network, Serving As the Between User Devices and the Core Network. IT ...

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### 5G base station rollout in the U.S. and China ...

Nov 27, 2025 · The United States (U.S.) and China are both rolling out \*\* infrastructure at a rapid rate, growing approximately \*\*\* times in size from ...

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### Indonesia 5G Infrastructure Market Size and Forecasts 2030

In Indonesia 5G Infrastructure Market, offering valuable insights, key market trends, competitive landscape, and future outlook to support strategic decision-making and business growth.

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### Telkomsel Leads 5G Growth in Indonesia, Making Denpasar ...

Aug 29, 2024 · Telkomsel accelerates its Hyper 5G network expansion, establishing total of 225 5G sites in Denpasar and Badung to support economic and tourism development. ...

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### Telkom Indonesia: number of 5G BTS 2024, Statista

Nov 27, 2025 · At the end of financial year 2024, the total number of 5G base transceiver stations (BTS) of PT Telkom Indonesia Group amounted to \*\*\* units.

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### 5G in the United States

Mar 6, 2025 · The United States has established itself as a global leader in the rollout and adoption of fifth generation (5G) mobile technology. 5G is the most advanced iteration of ...

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### Global 5G Base Station Industry Research ...

The 5G base station is the core device of the 5G network, providing wireless coverage and realizing wireless signal transmission between the wired ...

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### Accelerating 5G in Indonesia

Mar 26, 2025 · This report examines 5G spectrum planning in Indonesia, discusses the key challenges in securing sufficient spectrum resources and provides recommendations on the ...

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### 5g coverage map for all of indonesia. adapted with

Figure 12 5G coverage map for all of Indonesia. Adapted with permission from Ref. [56]. 2022, nPerf Figure 12 depicts the location of the 5G internet network in Indonesia and demon- ...

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### 5G Base Station Construction Market in Indonesia

As Indonesia's 5G networks expand, there is considerable emphasis on constructing new base stations and modernizing existing infrastructure. These trends are transforming the ...

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### Indonesia 5G: Navigating the Future of ...

Feb 21, 2025 · Indonesia lags behind its Southeast Asian neighbours in 5G deployment, including on spectrum allocation. Since its rollout in 2021, ...

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### Learn What a 5G Base Station Is and Why It's Important

Nov 13, 2024 · A 5G base station is the heart of the fifth-generation mobile network, enabling far higher speeds and lower latency, as well as new levels of connectivity. Referred to as ...

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