



**SolarTech Power Solutions**

**Which has more 5G base  
stations or communications in  
Indonesia**



## Overview

---

How many 5G base stations are there in Indonesia?

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 5G base stations in 56 cities, out of a total footprint of more than 240,000 base stations. Despite the focus on 5G, Indonesia remains a 4G-first market.

What is the 5G penetration rate in Indonesia?

Since its launch in 2021, the 5G penetration rate in Indonesia has only reached 2 percent. According to the Kearney report, this low penetration is due to limited infrastructure, such as the minimal number of transmitter stations, inadequate fiber optic networks, and limited frequency availability.

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.

Is Indonesia a 4g-first country?

Despite the focus on 5G, Indonesia remains a 4G-first market. As of 2024, 4G accounts for 92% of all mobile connections, according to GSMA Intelligence, and is expected to remain the dominant mobile technology until at least 2027. The country has made commendable progress in retiring legacy networks to improve spectral efficiency:.

Why is 5G a problem in Indonesia?

Spectrum constraints. Indonesia's mobile ecosystem is constrained by insufficient and fragmented mid-band spectrum\*, which is essential for 5G's

optimal performance: Only 360MHz of mid-band spectrum is currently assigned for mobile use—less than half of the APAC average of 850MHz.

Are 5G users willing to pay a premium in Indonesia?

According to the Ericsson ConsumerLab study, 50% of 5G users in Indonesia are willing to pay a premium for services with guaranteed performance, while 32% actively seek superior connectivity for critical applications.

## Which has more 5G base stations or communications in Indonesia

---

### Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://zegrzynek.pl>