

THE PROMISING OUTLOOK FOR 5G



3.1 BILLION 5G SUBSCRIBERS BY 2027

Although 4G/LTE still has the upper edge, that will change by the time 2027 rolls around—when there will be **3.1 billion** 5G subscribers and 2.1 billion 4G subscribers worldwide. 5G subscriptions are also growing at a CAGR of 27% between 2022 and 2027.



MORE THAN 1 TRILLION EXABYTES OF DATA BY 2025

An exabyte is equivalent to 1 billion Gigabytes (GBs). And by 2025, 5G devices will generate **1.2 trillion** exabytes of data traffic. As a sign of growing 5G adoption, that number will more than double to 2.5 trillion exabytes just two years later in 2027.

4X AS MANY 5G SUBSCRIBERS IN THE U.S. BY 2027

Today, there are about 109 million Americans subscribed to 5G devices. But that number will nearly quadruple by 2027, reaching **391 million** subscribers. That means 8 out of 10 wireless subscriptions in the U.S. will be on a 5G network.



5G DOMINANCE IN CHINA

There are 486 million 5G subscribers in the world's most populated country in 2022, which makes up **69%** of total subscribers globally. As the rest of the world rapidly adopts 5G, China's share of total subscribers will decrease to 35%—even with over 1 billion 5G subscriptions.

125,000+ 5G POSITIONING DEPLOYMENTS BY 2030

In the industrial sector, ABI Research expects more than **125,000** 5G positioning deployments—one of the most anticipated Real-Time Location System (RTLS) technologies made possible with 3GPP Release 17 and Release 18.



UPGRADE TO 5G ADVANCED

5G Advanced will come with very noticeable improvements, notably positioning accuracy and reliability (e.g., sidelink for D2D communication). To acquire these next-gen features, **75%** of 5G base stations will make the jump to 5G Advanced by the end of the decade.

34 MILLION 5G IOT CONNECTIONS BY 2026

5G will be found in **33.9 million** the Internet of Things (IoT) devices will leverage the features by 2026. Among the most common 5G IoT applications, OEM telematics, fleet management, water meters, and home security/automation lead the way.

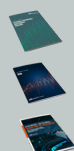


Learn more

Network Technology and Market Tracker (<https://abi.link/3CEVf7n>)

IoT Tracker: 5G (<https://abi.link/3VAgdgs>)

Is The Industry—And The World—Ready For 5G Advanced? (<https://abi.link/3S61PcL>)



ABIresearch®