

# 5 major 5G trends in 2022 and beyond

With its enhanced network performance, 5G wireless technology evolves industries and our daily lives. The technology surpasses 4G systems' ability to transmit massive sums of data in near-real time.



## Expanding global adoption

More than 70% of countries/regions have invested in 5G technology as of October 2021, according to a U.S. Government Services Agency report. The investment from 469 operators worldwide ranges from trials to licenses acquisition and network deployment.

## Increasing variety of 5G devices

The number of announced 5G devices continues to rise and grew by 24.2% over the last quarter of 2021 (GSA report<sup>1</sup>). The devices span from fixed-wireless access devices to phones, modules, industrial gateways, tablets, laptops, in-vehicle routers, hot spots and many more.



## The network of the future

5G will cover about 60% of the world's population by 2026, with 5G networks carrying more than half of the world's smartphone traffic (Ericsson report<sup>2</sup>).

## Opportunity in augmented reality (AR)

4G can still deliver AR, but 5G enhances it. An Ericsson research report shows that 5G users spend two hours more per week using cloud gaming and one hour more on AR apps compared with 4G users.



## Varying global regulations and requirements

5G regulatory requirements vary at national, international and industrial or vertical levels. The rapid expansion of 5G product categories brings about new challenges when seeking to meet safety, security, connectivity, interoperability and performance requirements.

### Endnotes

1. "5G Ecosystem," Global mobile Suppliers Association. December 2, 2021. Web. 22 December 2021. <https://gsacom.com/reports/>.
2. "Ericsson Mobility Report June 2021," Ericsson, June 2021. Web. 22 December 2021. <https://www.ericsson.com/en/reports-and-papers/mobility-report/reports>.

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