



**U.S. Mobile Network  
Infrastructure Spending  
Forecast, 2022-2027: 5G  
*network build spending  
has peaked***





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# **U.S. Mobile Network Infrastructure Spending Forecast, 2022 – 2027: 5G *network build spending has peaked***

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## A Market Study

Published Fourth Quarter, 2023  
Version 1.0  
Report Number: 04Q2023-02

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# Abstract

5G is now firmly established in the U.S. with all the major mobile operators supporting nationwide networks. LTE is still in use and will continue to carry the majority of U.S. mobile data traffic for the next couple of years, but 5G is growing rapidly. In addition, fixed wireless access services using the 5G networks are being used by an increasing number of consumers and businesses. Things are changing quickly.

This market study presents a forecast for the cost of building, deploying and operating LTE and 5G networks in the U.S. from 2022 through 2027. Included is a mobile network infrastructure build forecast, which is detailed by mobile network component (RAN, front/backhaul, and core) and generation (LTE and 5G). The study also includes a forecast of network operating costs.

In addition to the forecasts, the market study provides a status update on the 5G network deployments in the U.S.

Key questions addressed in this market study include:

- How will the amount of data traffic carried on LTE and 5G networks grow in the U.S. in the next five years?
- How big is the LTE and 5G infrastructure opportunity in the U.S. in the next five years?
- What is the share of infrastructure spending for the network components of RAN, fronthaul/backhaul, and core?
- What is the share of infrastructure spending for LTE and 5G in the next five years?
- What are the expected mobile network operating costs in the next five years?
- What is the status of the major U.S. mobile operators' 5G networks?

Who should read this report?

- Mobile operators
- Infrastructure OEMs
- Small cell product and solution vendors
- Edge computing solution providers
- Backhaul service providers and equipment OEMs
- Financial analysts and investors.

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