

small cells

As people spend more of their time streaming music, watching videos, and conducting business on the go, wireless networks have to be equipped to handle an exponential increase in data. To keep up, small cells are deployed to work in conjunction with traditional cell towers to bring extra coverage and capacity to areas that need it. As the world moves to 5G, small cells will be even more crucial to bringing exciting new technologies and capabilities to life.

At a glance

~70K

small cells
on-air or
under
contract

700

communities
with small
cells deployed

800K

needed
by 2026¹

Infrastructure for our most important connections.

Small cells consist of discreet, fiber-connected antennas that are often attached to things like streetlights, signposts, or utility poles to fill in coverage gaps and boost data capacity. They're also versatile enough to be used in stadiums, convention centers, or even in office buildings where coverage can be a challenge. As the market leader in small cell technology, we're uniquely equipped to provide the connectivity we need today—and that tomorrow's innovations demand.

DATA DEMAND

Small cells provide much of the coverage and capacity that drive our connected lives, and will be especially crucial for emerging technologies like 5G and the internet of things.

AUTONOMOUS AND CONNECTED VEHICLES

Small cells will fill in coverage gaps and support the large and constant stream of data these vehicles need to operate properly.

CBRS AND PRIVATE LTE

The rollout of private LTE networks will require the installation of new small cells where these networks will be deployed.

SMART CITY TECHNOLOGIES

With the extra coverage and capacity that small cells provide, new IoT technologies can be deployed to make cities smarter and more efficient.

1. S&P Global Market Intelligence, "Small Cell and Tower Projections through 2026," 2016