

Solving the capacity crunch with the 4.3-10 connector standard

In our increasingly connected world, wireless customers expect seamless network performance—and are quick to switch carriers if they don't get it.



As they work to meet customer demands, many operators find themselves in a capacity crunch. Building new sites is cost prohibitive and difficult because of site acquisition challenges. Meanwhile, improving existing sites is tricky because of limited physical space, tight load limits, and the potential for PIM as operators pack in more antennas and connections.

Small solution, big impact

The 4.3-10 connector standard is the latest evolution in connector technology—and an ideal solution for capacity-strapped operators. The 4.3-10 connector standard is:

- Virtually PIM free, with noise levels that are at the floor of the test equipment
- 40 percent smaller than the 7-16 DIN connector, enabling densification of RF equipment
- 60 percent lighter than the 7-16, reducing tower load and freight costs
- Able to support frequencies between 700 MHz and 6.0 GHz, giving operators access to soon-to-be-released frequencies
- Simpler to install, thanks to radial contact that allows a higher degree of contact certainty

CommScope supports the 4.3-10 standard on a full range of products, including:



- Antennas
- Filters
- Combiners
- Jumpers
- Distributed antenna system

Powering the entire RF path

CommScope offers two versions of the connector standard:

- A reduced-torque version, which is ideal for outdoor plant space
- A quick-lock push version, which is ideal for an indoor distributed antenna system

CommScope's ecosystem of 4.3-10 solutions also features state-of-the-art manufacturing, seamless integration with a wide range of components, and superior long-term performance and return on investment.

When it comes to creating capacity, it pays to think small. Visit CommScope today to learn more about the 4.3-10 and how to implement it across your network.