

Tougher wireless environments call for better tri-sector antennas



As 4G and 5G network densification continues, mobile operators are increasingly having to settle for site locations—such as flagpoles and rooftops—with limited space and rigid aesthetic requirements. Tri-sector antennas pack more coverage and capacity into a smaller package, making them a good solution. But most existing tri-sector solutions do not provide enough ports or 4G/5G bandwidth capabilities to support long-term LTE growth and true 5G performance.

To address these challenges, Mobile Network Operators need tri-sector antenna solutions that are easier to permit and deploy while supporting the range of frequencies and configurations needed to evolve their 4G/5G services. CommScope has your back.

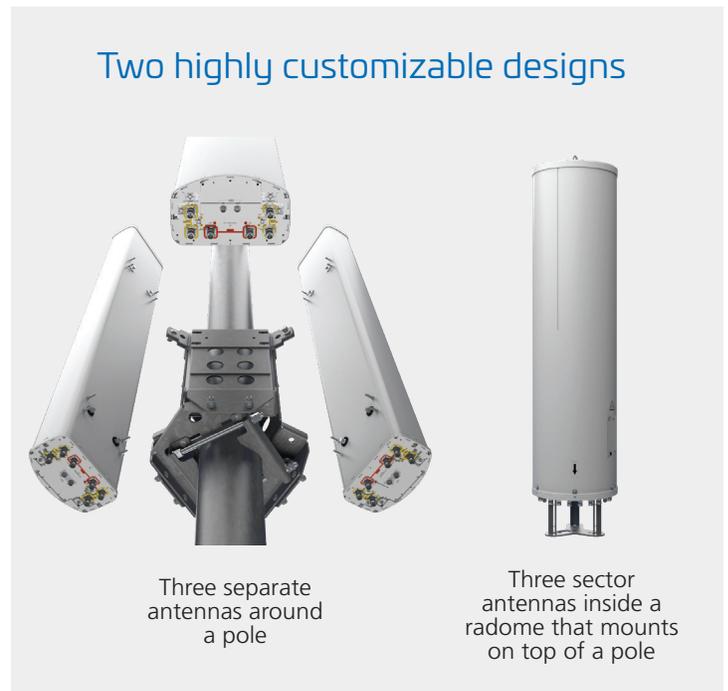


New tri-sector antennas built for today, designed for tomorrow.

CommScope's new tri-sector antennas are engineered for today's hard-to-permit sites while enabling tomorrow's full range of 4G/5G capabilities. Two highly customizable designs—compact and stackable wraparound—let you create a best-fit solution whether you're upgrading an existing location or deploying a new one.

Both designs feature a compact footprint with low visual impact to help reduce zoning issues. Yet each packs up to 72 ports per antenna so you can support more radios, frequency bands and higher-order MIMO. Because the interleaved arrays operate at different frequencies, you can deploy more bandwidth with less interference.

The simplified design uses significantly less material for a smaller carbon footprint, while easy and repeatable deployment reduces your time to market.



Design flexibility	Aesthetics
Customizable, easier and faster to install	Compact concealment for macro networks
<ul style="list-style-type: none">• Application-based deployment: Includes concealment, rooftop and flagpole• Compact housing: Up to six or 12 low-band ports in a 14.6 in (37 cm) or 23 in (58 cm) diameter housing• Full range of bands: Includes 4G LTE and 5G (617–960 MHz / 1400–2700 MHz / 3.5 GHz)• Configuration options: 2T2R, 4T4R, 8T8R	<ul style="list-style-type: none">• Compact: Small, streamlined housing contains three sectors and up to 72 ports• Wind loading: Aerodynamically designed contours reduce wind loading• Concealment: Can be disguised as a chimney or other non-telecom street furniture

We've got you covered

As a trusted partner with 40+ years of industry leadership and 15,000+ patents, CommScope provides the innovation and technical guidance to ensure the best approach for optimizing your network. With strategically located, high-volume production facilities and supply chains, CommScope supports your site builds around the world.

To learn more about CommScope tri-sector antennas, [watch this brief video.](#)



[commscope.com](https://www.commscope.com) Visit our website or contact your local CommScope representative for more information.

© 2022 CommScope, Inc. All rights reserved. Unless otherwise noted, all trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope, Inc. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to CommScope products or services. CommScope is committed to the highest standards of business integrity and environmental sustainability, with a number of CommScope's facilities across the globe certified in accordance with international standards, including ISO 9001, TL 9000, and ISO 14001. Further information regarding CommScope's commitment can be found at www.commscope.com/corporate-responsibility-and-sustainability.

CO-117108-EN (10-22)