

HELIAX® Trunk-to-Breakout-Box FTTA solution

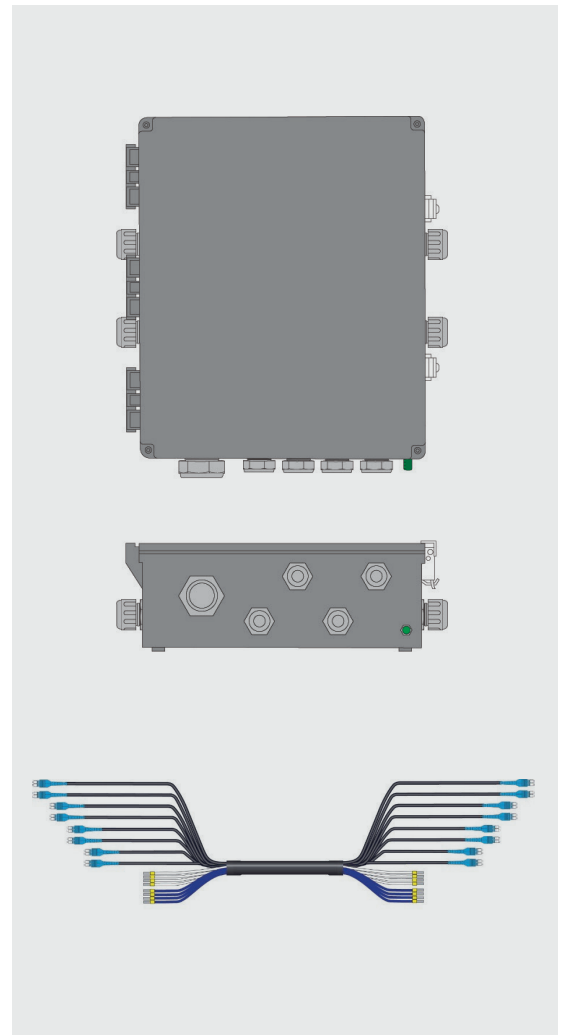
A perfect combination of speed and agility

Mobile network operators (MNOs) are under increasing pressure to accelerate their 5G rollouts while reducing deployment costs. At the same time, more complex RRU and antenna configurations are being implemented to support multiband, MIMO and high-capacity applications. Network operators and their installation partners need innovative fiber-to-the-antenna (FTTA) solutions that can support more design flexibility, faster installation and easier future upgrade paths.

Instead of many discrete homerun fibers and cables, the solution uses a single trunk cable containing up to 32 fibers and 16 power conductors—enough to support up to nine RRUs and/or antennas. The trunk terminates at your tower-mounted breakout box where jumpers connect to RRUs and antennas; to add or upgrade equipment, simply add or replace the jumpers.

Not only is it faster and easier, but replacing the jumpers instead of the entire FTTA trunk also creates far less environmental impact. All cabling and connector performance is rigorously tested for the toughest environmental conditions, reliability and network uptime to reduce costly truck rolls.

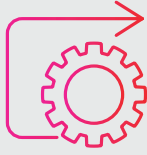
CommScope's HELIAX Trunk-to-Breakout-Box FTTA solution offers the agility, speed and accelerated deployment MNOs need to keep pace with their network's evolution.



One trunk to prep and pull, so many advantages

With just one cable to prep, hoist and connect, the HELIAX Trunk-to-Breakout-Box solution requires just one installer, fewer cable brackets, less tower loading and less installation time. Due to the simplified design, expanding, upgrading and troubleshooting your network is faster and easier.

Faster installation



- Only one cable to prep and pull up the tower
- Only one installer needed instead of two
- Fewer cables mean fewer cable brackets and lower labor and installation costs

Future ready



- Adding/upgrading antennas or RRUs is as simple as adding/replacing jumpers
- One hybrid trunk can support nine RRUs/antennas
- A single trunk reduces tower loading—enabling future expansion on the tower

Lower environmental impact



- Upgrade involves jumpers only—eliminating the need and impact of replacing the trunk
- Rigorous performance testing improves reliability, reduces truck rolls, and lowers greenhouse gas emissions

Getting it done with CommScope

For over 40 years, CommScope has leveraged our global R&D resources, deep fiber and RF path experience and close customer relationships to help network operators adapt and evolve. CommScope pioneered many of the infrastructure innovations that paved the way from 2G to 3G to 4G and 5G. We bring all our resources and experience to bear on engineering FTTA solutions and strategies that keep our customers fast, agile and ready for what's next. With solutions such as our HELIAX Trunk-to-Breakout-Box FTTA, we provide MNOs the flexibility and time savings to keep their 4G and 5G networks prepared for the changes to come.

For more information about CommScope's HELIAX Trunk-to-Breakout-Box FTTA solutions, contact your CommScope representative.

[Explore our FTTA solutions](#)

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

© 2023 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-117507-EN (04-23)