

HELIAX® FTTA family of solutions

One portfolio for all your FTTA deployments

Keeping pace with the demand for more and better wireless service means increasing the number of fiber-to-the-antenna (FTTA) deployments. Each installation has unique requirements for connectivity, design architecture, upgradability and reduced deployment time. To keep evolving their networks in the most efficient way, mobile network operators (MNOs) need a single FTTA portfolio they can trust to support more design flexibility, configuration options and growth potential.

THE COMMSCOPE OUTDOOR WIRELESS NETWORK FAMILY OF HELIAX® FTTA CONNECTIVITY SOLUTIONS OFFERS THREE HIGHLY CUSTOMIZABLE DESIGNS.

HELIAX Discrete:



Separate fiber and power cables provide a familiar design and installation process. Meanwhile, the solution is also highly customizable—from connector types to breakouts and cable lengths. The result? Less cable prep, lower material costs, and faster installation.

HELIAX Modular:



Configurable discrete fiber/power and hybrid trunks terminate on the tower at plug-and-play breakout solutions—including CommScope's stackable and recyclable SkyBlox™. Once deployed, upgrading the Modular FTTA solution is as easy as replacing or adding jumpers.

HELIAX trunk-to-breakout box:



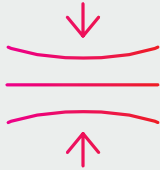
A single trunk cable with up to 32 fibers and 16 power conductors terminates at a breakout box just below the RRUs. The simplified design requires only one installer to prep, hoist and connect the cable. Reduce material requirements, tower loading and installation time.

Together, these solutions create a single portfolio that enables MNOs to address most FTTA applications and requirements.

Flexible, efficient and environmentally responsible

The HELIAX FTTA portfolio offers the flexible, efficient design to reduce your time to market while making the most of every FTTA opportunity. The streamlined solutions also reduce raw material use and remove more single-use plastics from the waste stream—making the portfolio a key part of a sustainable network growth strategy.

Design flexibility



- Two to six fibers per connector
- Supports hardened connectivity for direct-connect and breakout modules
- Discrete solution is customizable with choice of connector types and cable lengths
- Upgrade trunk and modular options by changing jumpers instead of the entire FTTA link

Cost and time savings



- Trunk and modular designs need only one installer and uses fewer cables and brackets
- Fewer cables reduce tower loading and lower OpEx
- Plug-and-play breakout boxes speed installation and reduce potential installer error

Lower environmental impact



- SkyBlox breakouts (for Modular option) are 100 percent recyclable
- Change jumpers to upgrade network capabilities—eliminating the need for a new FTTA link
- Support multiple MNOs on the same infrastructure platform to lower overall CO₂ impact

Supporting your network's growth, now through next

To develop and support an FTTA portfolio this broad and innovative takes a company with global strength, technical expertise, and a track record of quality and customer commitment. For over 40 years, CommScope has leveraged our global R&D resources, deep fiber and RF path experience and close customer relationships to develop the innovative solutions that help network operators continuously adapt and evolve their networks. 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.

For more information on CommScope's HELIAX FTTA portfolio, please contact your local representative

Explore our FTTA solutions

commscope.com Visit our website or contact your local CommScope representative for more information.

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