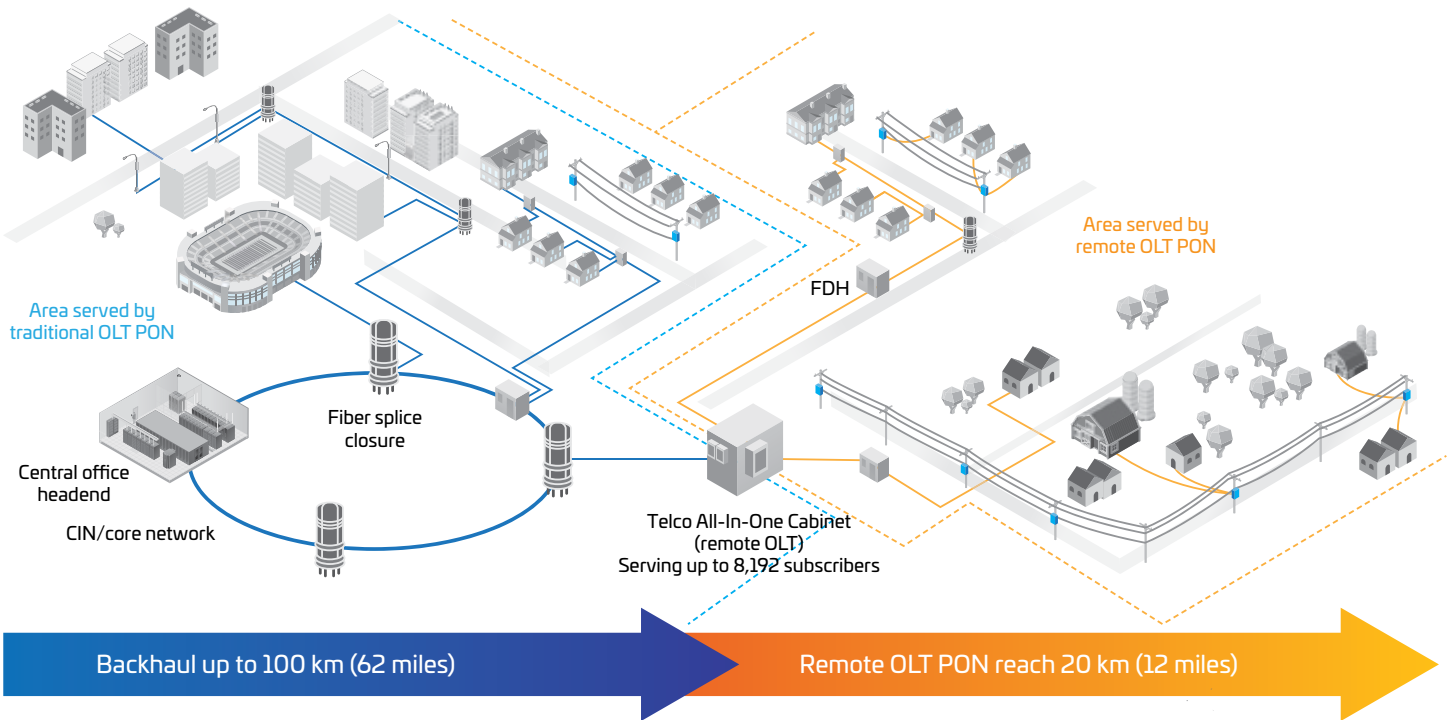


Telco All-in-One Cabinets



As telco networks expand farther from the central office, more active and passive distribution cabinets are needed at the edge of the OSP network. These large cabinets can be visibly obtrusive. While some can be integrated into larger utility structures such as cell tower base stations or power substations, most must be deployed as standalone units, subject to local land use requirements and approval processes. For operators needing to accelerate the turnup of new customers, any delay is costly.

At CommScope, we get it. We've been in constant dialogue with telco operators like you for over 40 years. More than listening to and understanding your challenges, we're committed to giving you solutions.

That's why we developed the Telco All-in-One (AIO) family of cabinets.

Extend your R-OLT reach and options

Telco AIO Cabinets combine elements from our industry-leading active cabinets and our well-known FDH3000 passive cabinets. The result is a single, compact active/passive cabinet that immediately extends the reach and capacity of your R-OLT layer and expands your cabinet site or location options.

The unique design of the Telco AIO Cabinet provides the density to support most edge-of-network needs. One cabinet gives you an additional 20 kilometers of R-OLT reach and 100 km of backhaul, while enabling you to connect an additional 8,000+ customers without construction of a remote central office or hut.

Measuring just 48 in H x 48 in W x 28 in D, the cabinet's compact footprint and low profile expand your available deployment options to include right-of-way locations such as intersections and easy-to-access roadsides.

Inside the Telco AIO Cabinet

The key to the Telco AIO Cabinet is an innovative design that packs an amazing amount of functionality and capabilities into a surprisingly small footprint. Its approximately 48-in height meets most local requirements while the compact footprint (≈ 48 in H x 48 in W x 28 in D) enables right-of-way deployments per municipal standards.

Fully loaded, the cabinet design can support up to 8,192 customers (XGS-PON). So, you can support more customers with fewer cabinets and deploy them where others can't. Engineered with Gore vents, mesh drainage, and preinstalled foam grommets, it provides superior protection from the elements with available pad, vault, and riser mounting options. Telco AIO Cabinets are designed to comply with GR-487-CORE and GR-3125 specifications.



Active compartment features:

- Telco-style rack/OLT mounting solutions
- 19-in or 23-in racking with 11 or 13 RU of customizable open space
- Available with or without a rectifier/direct current (DC) power supply
- Customer OLT configurations could support up to 128 PON port/SGs
- 68 preinstalled SC/UPC to SC/APC patch cords for split/passthrough via provided F2 distribution cable
- Includes 1x 15-amp GFCI outlet and interior LED lighting (20-60 volts DC)
- Alarms for SPD, HVAC, high temp, heater and intrusion "normally open"
- 2000-watt DC HVAC, 1 RU heater tray, and wall-mounted battery heater operating at <60 dB
- DC battery backup via 7 RU tray/cabling to support 1x string of 4x 48 V DC VRLA batteries (customer provided)
- 30-amp 125/250 V Generac generator power inlet box supporting manual transfer switch use

Passive compartment features:

- Preinstalled SC/UPC to SC/APC patch cords for splitter or passthrough connectivity
- 22 standard PNP splitter/WDM slots allowing single/dual/2xN split
- Integrated slack storage with positive bend radius control
- Distribution field terminates 144- or 288-fiber SC/APC fiber on CommScope's vetted Gen3E swing frame
- Fibers managed via vertical distribution and waterfalled optical device pigtails
- Parking lots hold and protect fiber splitter and passthrough outputs until needed
- Grounding stud installed for use with armored cable tone wire
- F2 cable assembly uses a 144- or 288-fiber loose tube cable (dielectric or armored) stub

All-in-one support

Perhaps most importantly, every Telco AIO Cabinet is designed, engineered and fully supported by CommScope. As a global leader of OSP connectivity solutions, CommScope has played a key role in many of the industry's breakthroughs, including R-OLT technologies. Our international network of research, manufacturing, distribution and customer support facilities ensures our Telco customers have the solutions and on-hand technical services they need, when and where they need them.

For more information on CommScope's Telco AIO Cabinets, [explore the AIO family of solutions.](#)

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