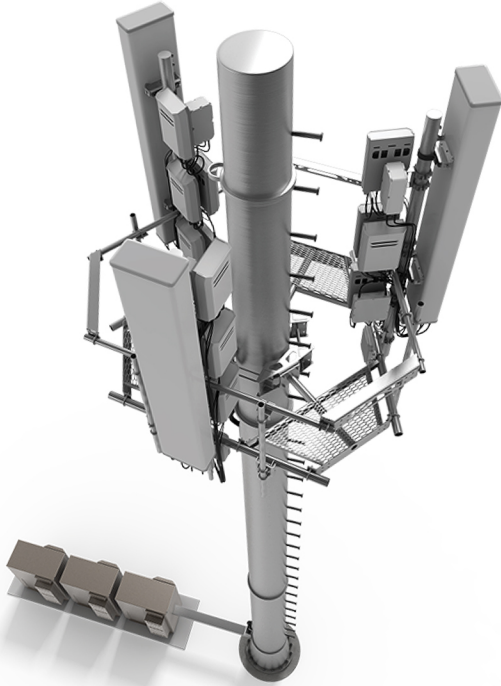


COMMSCOPE®



Shaping The Networks
Of The Future



Base Station Antennas

CommScope designs and manufactures a wide variety of innovative, quality base station antennas for your wireless outdoor network. From multibeam, multipoint and ultra-wideband antennas to small cell and omni antennas, we offer an array of sizes and configurations to help boost your network capacity and coverage.

All our base station antenna designs are fully production tested for consistent, reliable and trouble-free performance in the field. Test results are available from Technical Support upon request.



In-Building Antennas and Components

To add spot coverage in high-traffic areas, CommScope offers a family of in-building distributed antenna systems (DAS), mounting hardware and accessories that enhance wireless coverage. Designed for simple installation and minimal visual impact, our in-building and outdoor antennas feature a multi-band design that supports a wide range of frequencies.

Our DAS antennas are as effective in difficult-to-cover areas — like tall office buildings — as they are in parking garages, stadiums, airports and shopping malls. We also offer "audible-click" mounts for MIMO stadium antennas that provide accurate horizontal and vertical adjustments in 2- and 5-degree increments.

Covers multi-band frequency range:

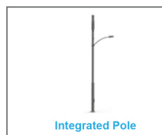
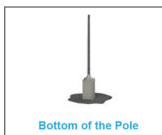
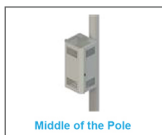
- For indoor and outdoor use
- Compact designs
- Low passive intermodulation (PIM)
- Delivers consistent patterns



Metro Cells

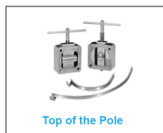
To help wireless operators put capacity where it's needed most, CommScope offers a family of solutions that enable RF equipment to be housed in the top, middle, bottom or integrated in the pole, offering alternatives to meet even the strictest zoning requirements.

- Fast-deploying
- Easier zoning approvals
- Simplified planning and ordering
- Custom luminaire and collar options
- A total integrated solution from power to backhaul



Microwave Antennas and Accessories

CommScope offers a complete family of point-to-point microwave antenna systems—from our cost-effective high performance ValuLine® range to our industry-leading UHX and Class 4 Sentinel antennas. We also feature all the ancillary components needed to connect your radio equipment to the antenna interface, including rectangular and elliptical waveguides, connectors and accessories.



Wireless Transmission Cables

CommScope makes the most advanced transmission line products for a wide range of RF path deployment—from air-dielectric and wireless cables to radiating and braided cables. Whether you seek coaxial transmission lines for land, mobile, broadcast and cellular applications, or leaky feeder cabling for use in underground applications, we offer rugged yet flexible low attenuation cables that have stood the test of time.



Surge Arrestors and Accessories

Premium lightning protection for your network

Protect your transmission lines from unpredictable but inevitable lightning strikes with Andrew® surge arrestors. Our completely weather-proof surge arrestors and components feature low return loss, low insertion loss and low passive intermodulation (PIM). These surge arrestors are available in a wide range of types and configurations, including designs that support WiMAX and AISG.

- Weatherproof designs
- Low return and insertion loss
- Excellent PIM performance



Waveguides

CommScope designs and manufactures a complete range of microwave connectivity solutions. From HELIAX® elliptical waveguides to flex-twistable waveguides, rigid rectangular waveguide components, and transitions, our waveguides are engineered to provide exceptional low-loss electrical performance and quick, precision deployment even in the most challenging environments.

Available in a variety of standard configurations providing industry-standard flanges, component types and sizes, our waveguides can be tailored to meet the exact requirements of your transmission line system.



Coaxial Cables

High-performance coaxial cable engineered for today's networks

For more than 30 years, CommScope has been a leader in the development and manufacture of the coaxial cable. Whether you need cables for satellite, security, closed-circuit television (CCTV), or video applications, residential or commercial structures, CommScope offers a family of high-performance coaxial cable that fits your needs.

Each foot of cable we produce is manufactured to our stringent specifications, as if it's the most important length we will ever produce. The result is a cable that can carry more bandwidth over longer distances, with customer-pleasing signal clarity.



In-Building Wireless Networking Systems

CommScope's portfolio of in-building wireless (IBW) solutions helps ensure that mobile devices stay connected to their wireless network even inside buildings or stadiums.

Our distributed antenna systems (DAS) and small cells provide mobile coverage and capacity to enterprises and public venues even in the most challenging environments.



Wireless Transmission Connectors

CommScope offers coaxial connectors and components that ensure excellent RF transmission performance and provide superior mechanical reliability. Our connectors deliver low intermodulation distortion (IMD), low voltage standing wave ratio (VSWR), and maintain your system's integrity even in the harshest environments. Our components are available for wireless and radiating, air and waveguide cables. Not to mention, we also offer CNT® connectors and adapters that provide a fast, reliable and waterproof fit with your braided cables.

- Technically advanced
- High performance
- Streamlined installations for faster and easier deployments
- Proven quality



Air Connectors



Device Connectors and Adapters



Wireless and Radiating Connectors



Wireless Transmission Connector Accessories



Braided Connectors

RF Repeater Systems

View all of our RF Repeater Systems products below:

CommScope features a comprehensive portfolio of off-air RF repeaters that enhance and extend indoor and outdoor coverage. Besides our analog repeaters, our off-air digital repeater systems are designed to supply consistent signal reliability for large areas shadowed by hills, buildings or other structures, but they are also effective in tunnels, canyons and dense urban environments like office buildings and malls. Our off-air repeater solutions are even effective for mobile applications such as for moving trains. They may also be used as a cost-efficient alternative to base stations where coverage is more critical than capacity and no wired backbone is available.

Our Andrew® off-air digital repeaters provide the power you need to amplify and direct your wireless signals no matter what frequency you use. As the first company to develop an off-air repeater solution with integrated interference cancellation, we create systems that are easy to deploy and simple to manage through just an Ethernet connections and any browser.

- Support of multiple frequency bands
- Indoor and outdoor installation
- Full remote monitoring and alarming
- Easy commissioning and setup via web-based GUI
- Flexible and future proof
- Compliant with all regulatory standards (e.g. ETSI, FCC, IC etc.)
- Optimized performance by statistic measurements



RF Repeater Systems

Coaxial Passives

CommScope offers a number of reliable passive devices for your RF and wireless networks. Our coaxial couplers, splitters and taps are manufactured to the highest standards to ensure that active components in the network function efficiently and effectively.

We pay special attention to soldering, sealing, and the use of non-ferric-based designs to prevent network interference such as passive intermodulation (PIM), which can be caused by corrosion, oxidation and insufficient contact pressure.



Coaxial Attenuators



Coaxial Couplers



Coaxial Splitters

Filter and Tower Mounted Amplifier (TMA) Products

Simplify technology rollouts without compromising performance

CommScope offers filter and tower mounted amplifier (TMA) products that make it easier for operators to expand their networks and roll out new technologies. By deploying our wide array of products, operators can boost data throughput, enhance coverage and reduce signal noise.

We design and manufacture multi-band and same-band combiners, tower mounted amplifiers (TMAs) and interference mitigation filters along with customized solutions such as TMAs with powerful integrated features.

- Save tower space and load
- Gain site approvals from regulating authorities more easily
- Deploy faster with a more visually appealing solution



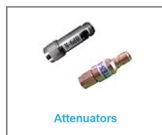
Combiners



Interference Mitigation Filters



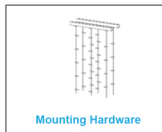
Tower Mounted Amplifiers (TMA)



Attenuators



Duplexers



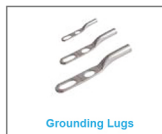
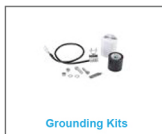
Mounting Hardware



Power Distribution Units

Grounding Equipment

CommScope offers a comprehensive line of grounding solutions to prevent lightning strikes and electrical surges from damaging your network components. From grounding bars and lugs to earthing kits, wires and vaults, our state-of-the-art grounding products are easy to install and designed to withstand the harshest environments.



Shaping the 5G networks of the future



Antennas and
RF Path



Fiber Infrastructure



Outdoor Small Cells



In-building Wireless



Spectrum
Management

Unlocking the potential of your network's 5G future begins with a winning densification strategy. CommScope has you covered.

Densification isn't a single solution or practice, but a new way of thinking about how wireless and wireline networks converge to deliver more performance and efficiency in the 5G age. CommScope has you covered, both in technology and know-how.

A comprehensive densification strategy touches every part of your network, starting with today's LTE deployments that form the foundation of 5G potential. CommScope is invested in what's next, so we can make your LTE-to-5G migration smoother and simpler. Select a topic above to learn more about the 6 areas to consider on your network's path to 5G.



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