



Brochure

Mission-critical public safety wireless network availability for federal agencies

Why CommScope?

MEETS PUBLIC SAFETY STANDARDS

- Our systems comply with standards set by authorities having jurisdiction (AHJs) and regulatory agencies.

A SOLUTION FOR EVERY BUILDING

- Solutions cost-effectively serve buildings ranging from moderate-sized office buildings to stadiums and airports.

When lives are at stake, every second matters. With threats increasing and public safety concerns growing, the ability to connect anywhere, anytime has never been more important. Additionally, emergency responder radio coverage is often a requirement in new construction—and sometimes mandated even for existing buildings.

Federal offices and military bases require a wireless network that offers ubiquitous coverage, reliability, and redundancy throughout buildings and across campuses to ensure a rapid response during an emergency. Citizens need dependable access to commercial mobile services to contact authorities when in distress. First responders need instant network access to relay vital emergency communications. Whether in a federal office building in Washington, DC, or in a vast, widespread military base across the country, public safety responders need the right infrastructure for cellular and Wi-Fi to connect when time is of the essence.

With over 40 years of experience in delivering connectivity infrastructure, CommScope has designed and equipped many of the world's largest and most complex public safety and in-building wireless networks. Our portfolio provides government agencies with full support for public safety wireless network solutions.

CommScope solutions for in-building wireless include:

PUBLIC SAFETY BI-DIRECTIONAL AMPLIFIER (BDA)

CommScope offers multiple public safety solutions that economically scale according to the size of the building being covered and its public safety requirements. The software-defined public safety bi-directional amplifier (BDA) enables tailored, scalable, and cost-efficient Class-A and Class-B public safety implementations of frequency bands and other features.

For small and medium-size buildings from 100,000 to 250,000 square feet, the public safety BDA and donor antenna are connected directly to a set of output antennas placed throughout the building. For larger buildings and campuses, the public safety BDA is a signal source to CommScope's ERA® digital distributed antenna system (DAS), provisioned as a public safety DAS. As an active, digital DAS, ERA ensures the distribution of public safety RF signals throughout buildings and campuses of virtually any size.

COMMScope®

ERA DIGITAL DAS

CommScope's all-digital ERA DAS distributes public safety coverage throughout large buildings and campuses of virtually any size, making in-building and outdoor wireless enhancements simpler and more economical. Operating on standard IT infrastructure—Category 6A and fiber—these solutions allow agencies to provide high capacity with “five bars” of in-building coverage. ERA makes in-building wireless solutions simpler to install, easier to manage, and less expensive to operate—all while providing room they need to grow as new technologies and applications come to market.

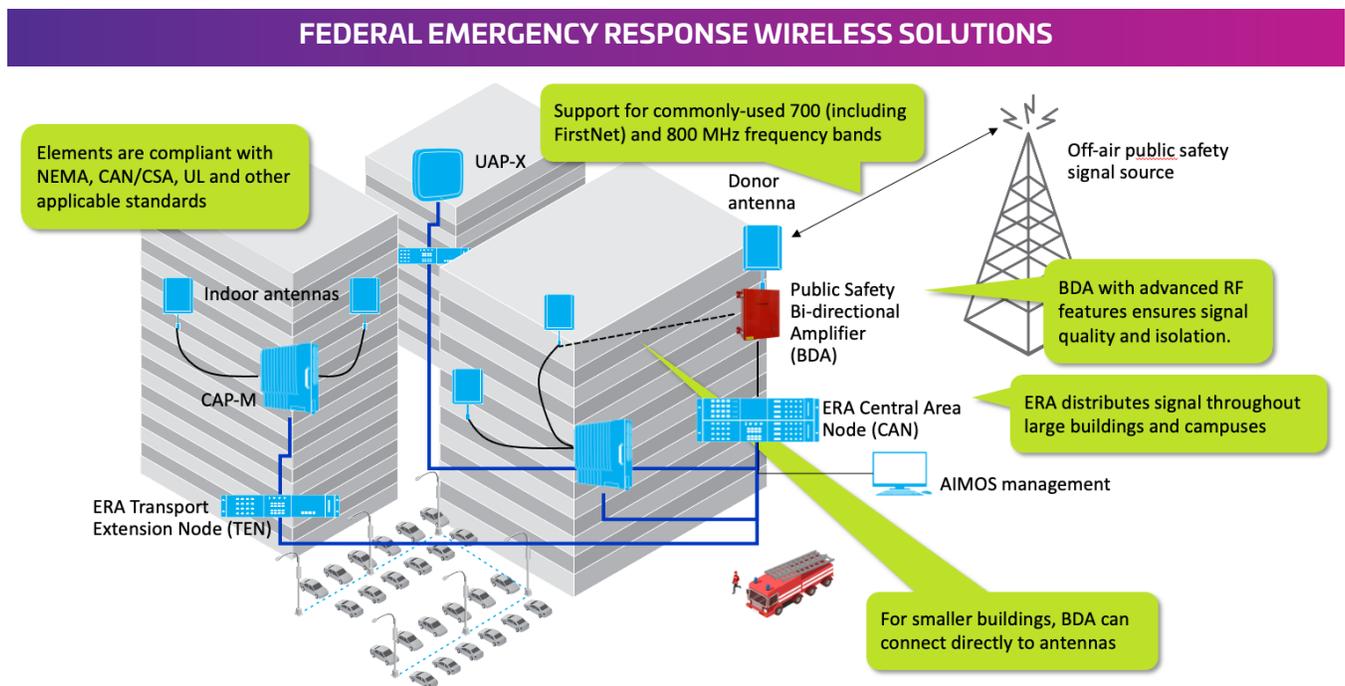
ERA offers specialized access points that support public safety frequencies, including band 14 for FirstNet in the U.S. These remotes are available in different transmit power levels to accommodate all building sizes. CommScope also offers fire and water protective enclosures meeting relevant public safety standards such as NEMA 4 and NFPA, as well as battery back-up options.

ANTENNAS AND PASSIVE COMPONENTS

CommScope provides a full range of indoor antennas and related passive components designed to support public safety frequencies, with several mounting hardware and accessory options. Designed for simple installation and minimal visual impact, our compact designs for in-building and outdoor antennas feature a multi-band design that supports a wide range of frequencies.

PROFESSIONAL SERVICES

CommScope has a large network of partners to provide services such as site survey, design, carrier coordination, integration, and maintenance. They will handle all the required steps to get your system on-air quickly.



COMMSCOPE®

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Visit our website or contact federalsales@commscope.com for more information.

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