Public safety
wireless network solutions

When network availability is mission-critical

COMMSCOPE®

When lives are at stake, count on CommScope— the first choice for your first-responder network

In the face of increasing threats and public safety emergencies, the need for reliable, ubiquitous, 24/7 wireless network availability is critical. First responders must have instant access to the network for vital emergency communications. Citizens need reliable access to commercial mobile services to contact the authorities in emergency situations. During an emergency, the in-building network infrastructure must provide a reliably clear signal throughout the building, transport or industrial facility.

Whether deployed by government agencies or private building owners, a public safety network must provide coverage, reliability and redundancy to deliver failsafe performance. To be ready for LTE and future technology advancements, the network must also be ready to adapt to changing conditions easily and cost-effectively.

CommScope has over four decades of experience delivering connectivity infrastructure. Today we are a global company with more than 20,000 employees worldwide and $4.9 billion USD in annual revenue. We offer a broad portfolio of public safety network solutions combined with the expertise and resources to design, deploy and service them.

CommScope has long been a leader in the TETRA market and recently integrating 700 and 800 MHz LTE into our public safety portfolio. Delivering large projects across Europe-Middle East, our systems have been approved by interior ministries and other regulatory agencies, and have been used successfully by fire departments and public and private venue owners. Our systems are used in many of the region's largest airports, railway and metro stations and tunnels, stadiums and arenas, government buildings, hospitals, hotels, manufacturing, shopping malls, and energy production facilities—anywhere there is a critical need for public safety communications.

Our end-to-end portfolio

In Europe and the Middle East we provide a full range of network connectivity equipment for UHF, 700-800 MHz, TETRA and TETRAPOL systems.

CommScope provides full support for global public safety wireless network solutions

Optical distributed antenna systems (DAS)

Our ION® series of distributed antenna systems includes options for public safety frequency antennas as well as power and cable path redundancy.

- **ION-M** high-power distributed antenna system for large indoor and outdoor venues.

Off-air repeaters

Our repeaters cost-effectively pick up over-the-air signals and broadcast them within a building or tunnel.

- **Node A2+ digital off-air repeaters** allow channels or band segments to be set up independently and use software-controlled digital filters for precise and dynamic control of channel bandwidth-critical for retransmission of donor signals that may be received at significantly different levels and for excluding impact of adjacent channels. The integrated uplink muting function minimizes noise and prevents desensitization of the base station.

MR418 off-air repeaters offer a reliable and efficient solution for smaller coverage areas, with simple installation and commissioning. The band selective unit is designed for 400 MHz TETRA, with auto-gain function and remote monitoring.
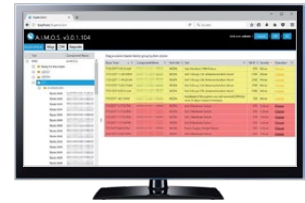
Cabling and accessories

To provide the reliable connectivity public safety networks demand, CommScope offers a full range of cabling solutions and components, including:

- **SYSTIMAX® and NETCONNECT® structured cabling solutions** providing coaxial, fiber and twisted-pair cabling that complies with local and regional fire safety regulations, including LSZH (low smoke zero halogen) cables.

- **Construction Product Regulation (CPR)**—classified cables including HELIAX® 50 ohm coaxial cables in multiple fire safety design options.

- **Passive system components**— including splitters, antennas, couplers, hybrids, tappers and terminations—that support public safety frequencies and offer low PIM (-160 dBc).

A.I.M.O.S. management system

The A.I.M.O.S. operation and maintenance system allows real-time local and remote monitoring and management of public safety systems to ensure full network operability and uptime.

Professional services and support

We also provide engineering expertise to design and implement cost-effective public safety solutions that meet the requirements of a particular building type and jurisdiction. CommScope brings decades of experience designing and implementing solutions for some of the largest, most complex venues in the world, as well as numerous corporate office buildings, hotels, hospitals and university campuses. Our extensive range of professional services includes site surveys, RF path design, installation, commissioning, system monitoring and 24/7 support with local presence.

Most members of our design teams have bachelor's or master's degrees in electrical or telecommunications engineering. Our engineers and technicians are fully trained in the latest state-of-the-art industry tools.

PartnerPRO®
N E T W O R K

THE PARTNERPRO® NETWORK

CommScope's PartnerPRO® Network matches our customers with the best solutions and certified design and deployment partners from around the world. These independent consultants, integrators, installers, distributors and industry allies are all trained and certified by CommScope to deploy our wireless network solutions effectively and efficiently.

Partner with CommScope—a proven network solutions innovator

The technical, logistical and regulatory challenges of deploying a public safety wireless network are significant, requiring proven solutions and a reliable, experienced partner to get the job done right.

We have designed and equipped many of the world's largest and most complex public safety and in-building wireless networks—and we're ready to partner with you. To take the next step, contact your CommScope representative or visit **www.commscope.com**.

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists has empowered customers in all regions of the world to anticipate what's next and push the boundaries of what's possible. Discover more at commscope.com

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