

# PRODUCT SOLUTIONS BRIEF

## COMMSCOPE

### SMART CITY COMMUNITY EXPERIENCE

Through our strong global partnerships and alliances with manufacturers such as CommScope, we are able to present you with the following offering to meet your specific smart city requirements.

#### CommScope Era™ C-RAN Antenna System

The Era C-RAN antenna system is built on C-RAN architecture that consolidates and simplifies distributed antenna system head-end resources, and flexibly allocates capacity where and when it's needed across the covered area through a simple drag-and-drop software interface. Era requires less fibre and can even share fibre with other services for major deployment cost savings.

#### CHALLENGE SOLVERS

- Baseband functions can be moved to the cloud. Era's wide-area integration node (WIN) delivers baseband capacity to a building or campus from a remote C-RAN hub or other base station facilities kilometers away. Operators can now extend in-building coverage and capacity, leveraging their existing base station facilities. This also greatly reduces the head-end footprint of the in-building wireless solution system within the covered buildings.
- All-digital fronthaul transport reduces fibre strands to the buildings and allows sharing of an existing fibre network with other services. This flexibility greatly reduces fibre transport costs.
- Capacity can be dynamically shared across many buildings. Era adjusts levels to meet variable demand, thanks to its capacity-routing capabilities.
- Each building no longer requires its own dedicated head-end. This reduces hardware, real estate and power costs. The single campus head-end can be placed just about anywhere.
- The consolidated head-end requires less equipment. Its Common Public Radio Interface (CPRI) baseband interface eliminates the need for radio-frequency (RF) hardware and interfaces—taking up less space and less operational budget.

#### THE ANIXTER APPROACH

- **Network Accessibility**  
Apply designs to accommodate performance requirements and overall cellular and Wi-Fi coverage throughout your city.
- **Personalized Communication**  
Provide sensor networks to collect and share behavioral data that supports new customized smart city applications.
- **Mass Notification**  
Deploy infrastructure that can support vital communication to residents and visitors in common and emergency situations.
- **Visual Engagement**  
Capture the attention of residents and visitors and deliver important information through digital signage and other professional A/V solutions.
- **Efficient Transportation**  
Improve user experience and decrease traffic congestion with infrastructure that supports street parking, public transportation management and multi-mode commuting.

#### THE COMMSCOPE SOLUTION

CENTR./CLOUD HEAD-END	ALL-DIGITAL ARCHITECTURE	REMOTE ACCESS POINTS
Space-saving Power-saving	Runs on standard Cat 6A and fibre Direct CPRI baseband interface (CDD)	Low Medium High power

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## COMMSCOPE®

#### WHAT WE HEAR

City officials are dealing with a variety of challenges:



Understanding the **NEEDS OF CONSTITUENTS**



Providing seamless **NETWORK AVAILABILITY**



**RETAINING AND RECRUITING** businesses, residents and visitors



Restrictions of **LEGACY SYSTEMS**



**PERSONALIZING** engagement through technology

**Infrastructure as a Platform**  
by Anixter

Infrastructure as a Platform by Anixter provides a practical, configurable and integrated approach to enhancing community experience throughout your city.

## CONFIGURE

We help you discover and map your specific needs to the best solution.

- Head-end and distribution modules
- Access points
- Accessories

## BUNDLE

Your validated, preconfigured solutions are packaged and site ready.

- Copper and fibre cabling solutions
- DAS antennas

## DEPLOY

Controlled, repeatable solutions are delivered on time and under budget.

- Custom packaging and labelling
- Time-sensitive delivery options
- Staged project shipping
- Tailored last-mile delivery

## COMMSCOPE ERA™ C-RAN ANTENNA SYSTEM FEATURES

### ✓ "FIVE BAR" CELLULAR COVERAGE IN BUILDINGS AND PUBLIC VENUES

- Distributed system
- Multi-operator
- 2G/3G/4G and beyond

### ✓ REDUCED COST AND COMPLEXITY

- All-digital
- Standard IT-cabling
- Reduced head-end footprint
- Software-based setup and control



CommScope Era C-RAN Antenna System

**> FOR MORE DETAILS VISIT [ANIXTER.COM/SHOPCOMMSCOPE](https://www.anixter.com/shopcommscope)**

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At Anixter, we enable the connected world. By building, connecting, protecting and powering valuable assets and critical infrastructures, we help to sustain and grow businesses and communities worldwide. We accomplish this by offering full-line solutions, technical intelligence, supply chain expertise and an unmatched global distribution network.

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