Addressing Digital Equity

The digital divide has been around well before the global pandemic that we are currently faced with. This divide has been highlighted as school districts struggle with the digital inequities that their students are facing. The digital divide between students who have home Internet access and those who do not has impacted the low-income and rural students the most. The exacerbated inequalities has made it difficult for students to complete assignments or even connect with their teachers.

As school districts around the nation tackle the digital equity problem, we should all understand that while digital equity is the means for equal access and ability to use the technology for all students and teachers, but it is digital inclusion that plays the most important role of providing the ways in which we are working towards closing the digital divide. It is the activities necessary to ensure that all students have full access to online information and communication technologies such as reliable broadband internet service, internet-enabled devices that meet the individual needs of the student, and access to digital literacy training needed to encourage self-sufficiency, participation, and collaboration.
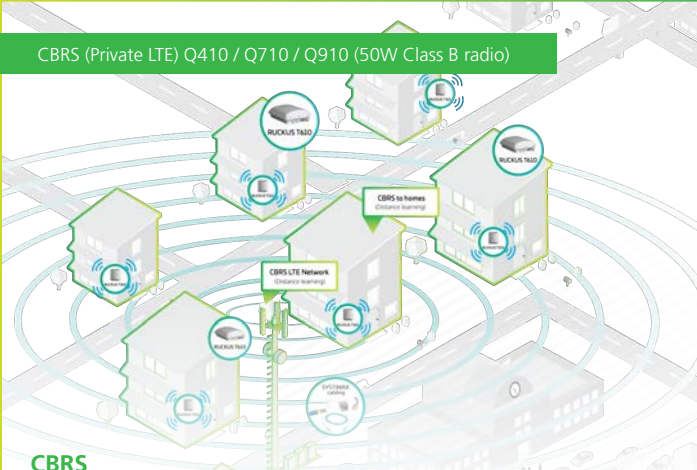
As school districts around the nation set their vision for student success, digital equity and digital inclusion must be integrated into that vision to fully realize an equitable education for all students. The recent pandemic has highlighted the growing problem and the need for more flexible, virtual, and hybrid schooling models. To make this digital transition more manageable for your school district, CommScope is here to provide all the critical resources needed to enable the high-quality digital learning and services to support every student and teacher for anywhere, anytime learning, on any device.

CommScope is the only company to offer a complete licensed and unlicensed suite of wired and wireless solutions that will meet all your school networks connectivity requirements. With a 30-year history and a portfolio of best-in-class wired and wireless

4.6 million rural homes and **13.6 million** urban households **lack a strong internet connection.**

COMMSCOPE®

RUCKUS®

SOLUTION BRIEF

products, CommScope can provide all your connectivity needs to update your school networks in a scalable and secure manner. With these latest digital equity solutions, your district can help close the gap and ensure a simple, reliable, secure, and equitable school network.

Packed with patented technologies like BeamFlex®+ and SmartCast, the RUCKUS® portfolio goes beyond the everyday to ensure superior connections and student experiences in any environment and any location.

CBRS (Private LTE) Q410 / Q710 / Q910 (50W Class B radio)

CBRS

- Allows school districts to share broadband to nearby homes
- Secure private LTE network
- Supports emerging IoT applications
- Thriving end-user device ecosystem
- Select neighborhood coverage with city, school, solution provider, and vendor collaboration

Indoor & Outdoor Cellular Coverage

Private LTE Networks with CBRS allow agencies to deploy their own private LTE network by simply defining the coverage area, installing the RUCKUS LTE Access Points, and subscribing to the needed cloud services.

Outdoor Wi-Fi T750 / T710 / T610 / T350/T310

Outdoor Access Points

- Hot spot connectivity
- School parking lots and athletic fields
- Library parking lots
- Small footprint and weatherproof
- Omni and directional antennas with patented BeamFlex+ and SmartCast Technologies
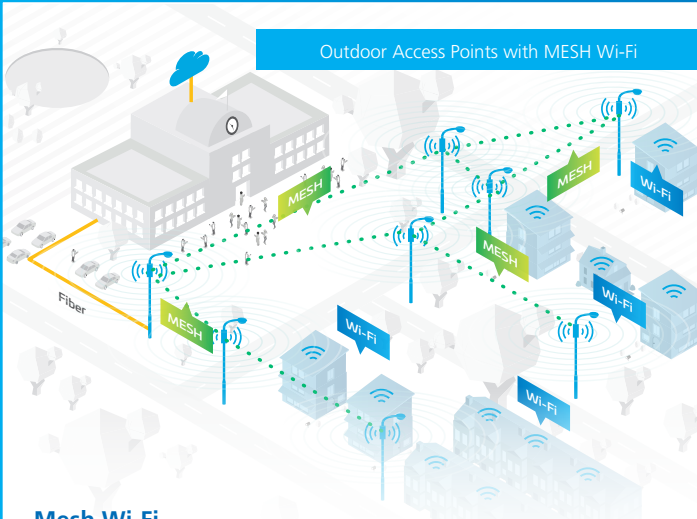

Temporary Wireless Solutions

Rapid Deployment Unit-Mobile (RDU-M) provides a powerful solution that offers reliable, remote wireless connectivity to support emergency situations, temporary connectivity sites and in-field access.

- Set Up In Parking Lots Or Any Open Area
  – Health testing (Covid-19)
  – Emergency response
  – Distance learning centers

Rapid Deployment Unit-Mobile (RDU-M)

Outdoor Access Points with MESH Wi-Fi

Mesh Wi-Fi

- Simple to deploy
- Use of routers to create a single, smart, seamless network
- Supported in all Ruckus Controller Solutions
- Mesh network automatically gives your device the best path to the internet
- Tri-Band Mesh with multi-Gig backhaul

CommScope doesn't just talk the talk, our actions speak for themselves. Here are some highlights from our success stories.

Council Bluffs Community SCHOOL DISTRICT

"We are so pleased that this partnership and expansion allows more of our students to access free Wi-Fi to do schoolwork with their district Chromebooks or their computers at home."

Dr. Vickie Murillo
Superintendent of CBCSD

THE SOLUTION

Over 500 RUCKUS outdoor APs for citywide coverage.
Reliable and secure Internet access for 8,000+ students in CBCSD.

EAST SIDE HIGH SCHOOL DISTRICT

"To date, the end results are significant. Providing broadband access helps students do better, complete homework and it is a source of pride to have access to the world in their own neighborhood. It's a really big deal for our families and our community."

Randy Phelps
Chief Technology Officer, ESUHSD

THE SOLUTION

With 197 RUCKUS T300 Outdoor access points combined with RUCKUS Mesh technology, over 1,700 students now have online access at home.

MCSD MURRAY CITY SCHOOL DISTRICT

"Connecting students from home is the primary use case for Murray's CBRS network, but it isn't the only one. Eyre wants to use LTE to replace Wi-Fi in many classroom settings, and he is already using it for connected cameras at the far end of the campus parking lot. He said the network is handling "hundreds of megabits a day of camera traffic with zero problems.""

Jason Eyre
Technology Coordinator

THE SOLUTION

The RUCKUS Q910 Outdoor CBRS Access Points along with CommScope external antennas and Band 48 capable Mi-Fi devices making digital learning possible beyond the classroom walls.

THE COUNTY OF HIDALGO TEXAS

"We selected RUCKUS because of our success with their products. Their APs are an ideal fit. They're very cost-effective, which means we can cover more communities with less money."

Al Brown
President and CEO, SmartWave Technologies

THE SOLUTION

With over $16M in CARES Act Funding rewarded to Hidalgo County, RUCKUS partners delivered 3,400 Outdoor access points. 20K+ students now have access to schoolwork and online resources from home.

CommScope's RUCKUS Funding Support Program

Helps you develop your needs and problems into fundable projects

Ensures your projects are a fit for the best grant program available.

Ensures you meet all funding preferences or competitive application points available

Provides review services to ensure agency-written proposals are comprehensive, compelling and competitive

Provides you with expert consultation to ensure your proposal is compliant with grant program parameters

Need help finding the funds to support your next network infrastructure project? Weather it's to refresh your current network or even to tackle the challenges of digital equity, CommScope can provide you with not just the best in class access points, switches, cabling, and cloud management solutions, but we can also help you navigate through the entire funding process. CommScope's RUCKUS Funding Support Program will guide you through the application process, helping your customer to secure and maximize grant funds. maximize grant funds and help answer any questions your district might have. Get started today by visiting our funding program website.
www.commscope.com/steps-to-public-funding

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