

Education

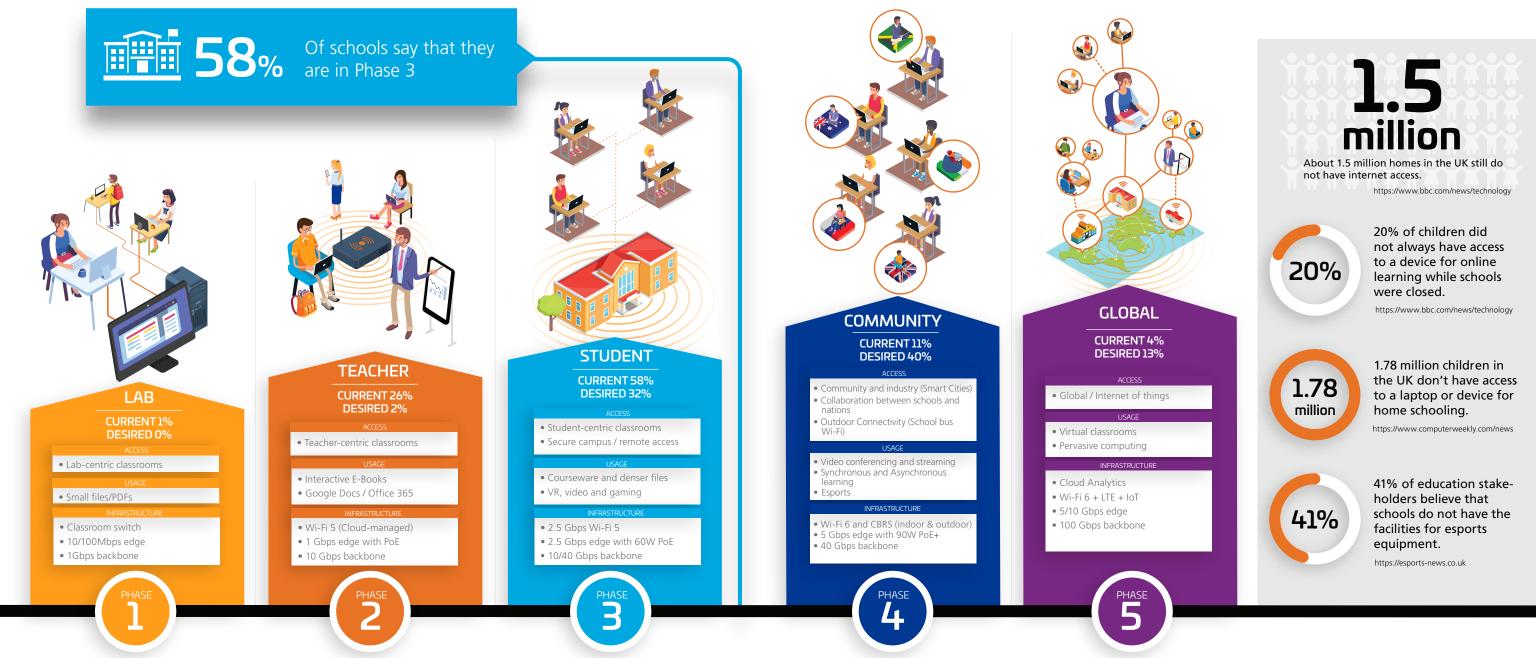
Al-Driven Networks: Transforming Education



TRANSITION TO **DIGITAL LEARNING**

In many ways, the connectivity and access to the internet has transformed education at all levels. The ability for students to access learning materials on-line as well as for instructors to share lessons and collaborate has revolutionized teaching and learning. Where education used to be concentrated in school buildings, it can now be accessed by millions of people (almost) anywhere.





A FAST AND RELIABLE NETWORK IS NO LONGER OPTIONAL.

Don't let your campus network become a roadblock. Invest in a wired & wireless network that supports future ready technologies and delivers proven performance, reliability, and scale for schools.

THE DIGITAL CLASSROOM OF TOMORROW PROMISES AN OUTSTANDING EDUCATION. IS YOUR NETWORK READY?

The classroom of tomorrow promises an outstanding education. Blended learning, digital curriculum and other modern learning models can better engage students and help educators be more effective.

With this digital transformation, lesson plans now depend on consistent, reliable connectivity to the school Wi-Fi network. Instead of leaving tools locked in the classroom, students walk in the door with their Chromebooks, tablets or other devices every morning, and take them home with them each night.

SECURITY AND

STUDENT DATA

PRIVACY

As such, there are three major concerns that IT administrators are currently facing:

NETWORK AND BROADBAND SCALING

THE TOP PRIORITY FOR IT IS BROADBAND AND NETWORK CAPACITY.

More devices are coming onto the network, stretching the limits of aging infrastructure. 65% of international schools use live video lessons while over 40% surveyed faced significant challenges delivering distance learning through technology, such as problems with bandwidth.

(reference: ISC Research Specialist Market Report - August 2020)

FACING THE TASK OF PROTECTING STUDENT DATA FROM MISUSE OR BREACH.

The National Cyber Security Centre along with the London Grid for Learning completed research in 2019, looking into cyber security of more than 400 schools across the UK. Of the schools polled, 83% said they had experienced at least one of the types of cyber security incidents like Phishing.

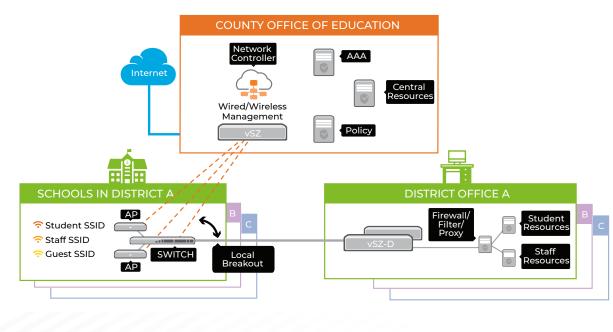
(reference: NCSC (National Cyber Security Centre) and LGfL (London Grid for Learning) Security Audit 2020)

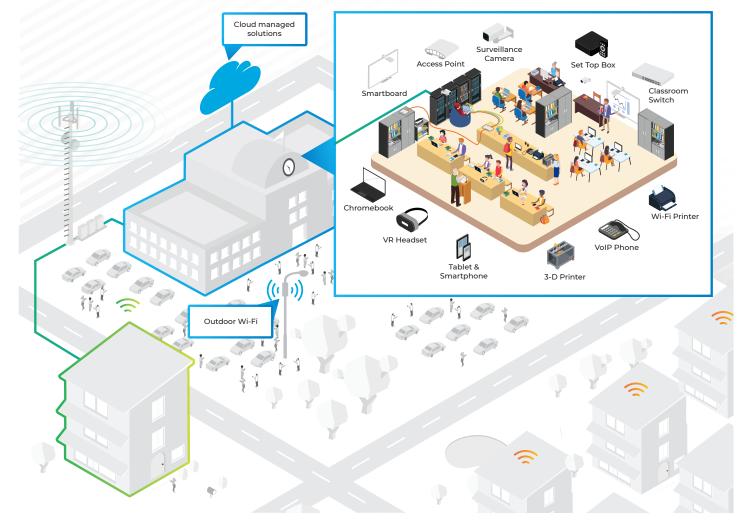
TRANSITION TO DIGITAL LEARNING

THE TRANSITION FROM TEXT-BASED CURRICULA TO BLENDED LEARNING.

Reliable connectivity is critical for classroom and distance learning. Cloud managed networks combined with network analytics can reduce digital downtime.

HOW DOES THIS FIT IN MY SCHOOL



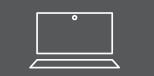


WHY CHOOSE RUCKUS FOR YOUR SCHOOL PROJECT

As your school continues its digital transformation to 1:1 mobile learning, RUCKUS helps you address the top three challenges of school IT: network scaling, securing student data privacy, and network reliability for digital instruction. Our goal is to help you provide a safe and reliable learning environment at an affordable price.



Optimal for Chromebooks



Our RUCKUS Cloudpath Chrome Extension enables simple network provisioning with a single click – and verifies which Chromebooks are school property. Moreover, only RUCKUS can sustain 60 HD video streams with just one AP. We also support CIPA compliance by allowing the restoration of content filtering for HTTPS traffic.

Future Proof



Our ICX access switch uplinks can be upgraded without replacing the switch. ICX supports MCT with stacking which ensures less than sub second downtime due to adding/removing/ upgrading switches in a production environment.

Affordable Multi-Gigabit



budget of 1480W.



Reliable Wi-Fi

Our purpose-built multi-gigabit APs and switches are designed to work together. Our ICX 8200 Entry Level switch offers 8x25GbE SFP28 or 48x1GbE Ri45 ports, with maximum power



ESPORTS: GOING BEYOND THE GAME

On a wicked fast network



Esports isn't all about gaming. Scholastic esports goes beyond the game. The life lessons and skills that can be achieved through competitive gaming and STEM based curriculum can provide the best student outcomes.

79%

Financial decision-makers in UK schools are optimistic about the value esports brings to education. Nearly four out of five believe esports should be taught in schools.

48%

Nearly half of UK parents say esports should be added to the school/college curriculum.

69%

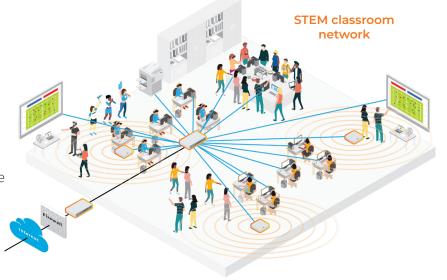
Over two-thirds of UK parents believe esports allows their children to develop skills that they might not get through traditional education methods.

Push back against the youth E-cigarette epidemic

Vaping is a difficult behavior to target. Its odor is easily overlooked, it's easy to conceal visually, and it's often done in private areas like bathrooms and locker rooms where human and electronic monitoring is weakest.



Whether you're looking to level up your classroom or host an esports event, our network solutions can support the esports beginner/ enthusiast with a smaller, pop-venue configuration or an amateur level striving to become professional, with an in-classroom design with an esports tournament ready auditorium. Our advanced, patented technologies will allow students to participate even from home. To learn more about our esports network solutions, visit our esports website at www.commscope.com/esports.



The Soter Technologies FlySense detector

This IoT device detects vaping mist in the air and also flags raised voices in a room without actually recording them—all in real time. It can guickly alert administrators and hall monitors with customized alerts sent to their mobile devices if illicit vaping or bully confrontations are detected where video surveillance is not used, such as bathrooms, locker rooms or anywhere else conditions prohibit video.

Riding on CommScope's RUCKUS portfolio of Wi-Fi solutions, it's a school's best defense against vaping by students.

STUDENT SAFETY AND WELLNESS

Vaping detection and IP video indexing on CommScope's **RUCKUS WLAN infrastructure**

Axis Communications networked cameras

This powerful, flexible, IoT-driven camera provides exceptional image quality, panoramic views, remote zoom, and low-light performance. Combined with FlySense sensors, they can capture actionable, time-stamped footage around vape detection locations.



FlySense App

Axis Communications products:



RELIABLE SCHOOL CONNECTIVITY: RUCKUS NETWORKS

The CommScope RUCKUS product portfolio of Wi-Fi, switching, IoT, LTE, powered fiber, Cat 6A solutions, software and SaaS lets you deliver a great end-user connectivity experience while reducing the amount of time you spend managing the network. And because CommScope RUCKUS packs more capability into every network element, you can build that network at a lower cost per connection.

SMARTZONE NETWORK CONTROLLER

· Wired/Wireless management

- · Visual connection diagnostics
- · Powerful new mapping tool
- · COE as service provider
- Customization with Open APIs

CLOUDPATH SOFTWARE

• Easy Chromebook on-boarding

- HTTPS inspection for CIPA
- Prevents password lockouts
- BYOD and 1:1 policies
- Dynamic PSK
- · Granular policy guest access



ACCESS POINTS (INDOOR & OUTDOOR)

- · All students connect reliably
- · Fewer APs needed per school
- Non-stop VR, gaming and video streaming Network
- Multi-gigabit (2.5GbE) uplink
- Outdoor AP stats

CLOUD SOLUTIONS



- · Al driven network management of all devices
- \cdot Service assurance via Incident identification, prioritization, and suggested resolution
- · Al-driven radio resource management & channel planning
- · Automatic management of performance KPIs
- \cdot Security & Policy management through single pane of glass

RUCKUS IoT SUITE

- $\cdot\,$ Add IoT during or after install
- · Keep your AP investment
- · Reduce IoT complexity and cost
- $\cdot~$ Great for STEM learning
- Go green, save green

ICX SWITCHES



- · Silent classroom switches
- Leading power density (up to 90W)
- Upscaling to 1/10/25/40/100GbE
- Hitless failover & ISSU
- Multi-Gigabit options even in compact switches
- Long distance stackable entry-level switches up to 25Gb uplinks

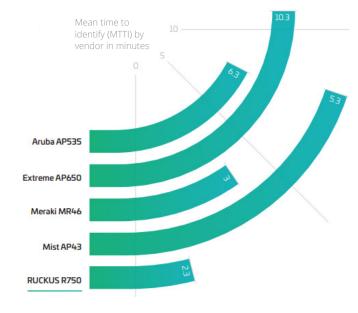


Troubleshooting with network analytics tools

Mean time to identify (MTTI) is the time a network administrator needs to determine the root cause of a network issue or incident. A shorter average MTTI reduces the trouble-shooting burden on IT while improving user experience by allowing IT to more effectively limit incident duration and impact.

RUCKUS Analytics is a cloud service for network intelligence and service assurance. Powered by machine learning and artificial intelligence, it gives IT comprehensive visibility into network operations.

Want to learn more? Get a Live Online Demo from a Product Expert here https://www.ruckusnetworks.com/ruckus-ai-demo





COMMSCOPE INDUSTRY RECOGNITION

CommScope has long been an active participant of leading standards committees and alliance organizations. Participating in these groups has allowed CommScope to develop solutions that drive benefits to our customers today while ensuring the same solutions are a sound investment for tomorrow. By upholding these values and commitments, CommScope's portfolio of products and services have been recognized among the best in the industry.

2022	2022 CRN Awards CommScope receiv
	2022 CommScope named operator's Technology Performance" awards at '
2020	2020 Technology and Engineering Er Video Ad Insertion portfolio leadershi
	(2020) CommScope is the IoT Sensor
	CommScope named a Wi-Fi Alliance
2019	(2019) 3rd consecutive year, CommSc Responsibility (CSR) rating from Ecov
	RUCKUS Wi-Fi 6 R730 AP scores WBA
	CommScope's RUCKUS ICX 7850 swi
2018	2018 Top 100 Global Tech Leader by T
2017	CommScope receives AT&T 2017 Sup
2016	RUCKUS Wireless recognized as a Be Annual Report Card

TRY RUCKUS ONE FOR FREE



LET'S GET YOUR TRIAL STARTED

- 1. Go to www.ruckusnetworks.com/ruckusone and learn about what sets RUCKUS One apart.
- 2. Go to https://www.ruckusnetworks.com/ruckus-one-trial/ and request a free trial

Overview AJ	Analytics Troubleshooting	Reports Networks (2) Cilents (4) Timelir	e		
R710	erns No reported incidents	Connection Success 95%	Time To Connect 48ms	Client Throughput 73%		<u> </u>
Topology	Roor Plans.				AP Properti Venue:	No active alarms
			2		tijsterie: Net	dd 📫 📫 dd work Add AP Add C
					Wreless Radio	CCU-455 Networks: 2 APs: 1 H02
		Burner Curve	га П		5 GH2 9	HQ2 Networks: 1 APs: 0 HQ

56:db:b6:53:0	3:e7				③ Last 24	Heurs Actions
Overview Troubleshoot	ng Reports 1	meline				
Current Status Connected Applications 46	APS Connected 1 Ang. Session Leng 1 h 3 m	88.7 KB		Tetal Connected filme 1 h 17 m Good 33.5% 962,2545	Client Details MAC Address IP Address OS: Host Name :	54x00:06:53:03:x7 192:168:0.199 (£ 105 54x00:06:53:03:x7
			6 GHz =	Poor -	Operational Data	56db665383x7
Tep 10 Applications by traffic volume		top 10 Applications by trai	ffic volume		8F Channel: Troffic from Client: Fackets From Client:	100 1.35 MB 6.276
a a 3.91 GE		5.440			Traffic To Client: Packets To Client! Frames Dropped: SWR:	15.9 MB 23,125 2 41 d8 35

Application by traffic

ives 5-Star rating and Women of the Channel

- "Supplier of the Year" and "Outstanding Vodafone Partner Awards Arch 2022
- mmy® Awards recognize CommScope's IP .ip
- Company of the Year
- e 2020 Industry Impact Award Recipient
- cope achieved a Gold level Corporate Social Vadis
- A Award 2019
- itch wins CRN's "2019 Product of the Year" award
- homson Reuters
- plier Diversity Crystal Award

est-in-Class Channel Provider on CRN's 2016



DfE – Connect the Classroom Programme

RUCKUS KEEPS **GOOD COMPANY**

RUCKUS is proud to be a contributing member of many associations serving the Education community. We are also working with leading technology and alliance partners that offer complete, proven solutions that complement the RUCKUS wired or wireless portfolio to help our customers meet critical business needs.

What is Connect the Classroom?

Connect the Classroom is an investment funding programme run by the Department for Education (DfE). The current programme offers eligible schools an upgraded wireless networking solution to improve their IT infrastructure. This will provide infrastructure equipment and set up to help schools meet the latest Wi-Fi 7 standards.

In 2022, the DFE released updated guidance detailing additional Connect The Classroom funding for approximately 3,500 schools. This guidance focuses on 55 local authority education investment areas where school outcomes are weakest.

Am I eligible for Connect the Classroom?

Teacher. If you think you might be eligible, ask your senior leadership team to check their mailbox. **Priority Investment Areas**



https://assets.publishing.service.gov.uk/government/uploads/system/ uploads/attachment_data/file/1063088/Priority_EIA_selection_ methodology_FINAL.pdf

This is an invitation-only incentive. Your school will receive an invitation

from the DfE if you are eligible. Most likely, this will go to a Head

Selection Methodology

https://assets.publishing.service.gov.uk/government/uploads/system/ uploads/attachment data/file/1051431/Education Investment Areas selection methodology.pdf

Next steps:

DfE will have contacted your school by now to explain your qualification.

- 1. Please contact RUCKUS Networks directly.
- 2. Our team will happily discuss your options and advise on how to move forward.



Scan the QR code to contact RUCKUS



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About RUCKUS Networks

RUCKUS Networks builds and delivers purpose-driven networks that perform in the demanding environments of the industries we serve. Together with our network of trusted go-to-market partners, we empower our customers to deliver exceptional experiences to the guests, students, residents, citizens and employees who count on them.

www.ruckusnetworks.com

Visit our website or contact your local RUCKUS representative for more information.

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