
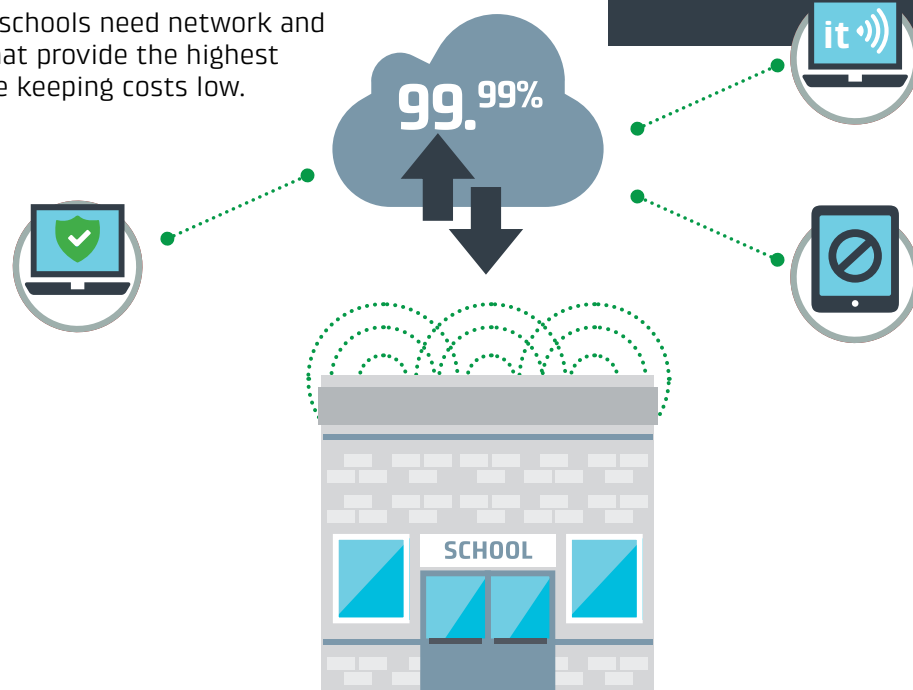


# Cradlepoint 4G LTE Network Solutions for Small Schools

## CHALLENGE: PROVIDING LARGE-SCALE NETWORK SOLUTIONS FOR SMALL SCHOOLS

Smaller schools face unique challenges when presented with the complexities of establishing, running, and maintaining network solutions. They need to meet the same standards as larger schools but often do not have the same technology, resources, and support for doing so. These schools can struggle with issues of:

- + **Compliance:** All schools, regardless of size, are required to comply with local, state, and federal regulations regarding student safety and data security.
- + **Reliability:** Teaching, safety, service delivery, and internal and external communications all depend on constant, reliable access to school networks.
- + **Long-term agility:** Solutions and systems must be able to scale and adapt as student, staff, school, and district needs change.
- + **Affordability:** Small schools need network and security solutions that provide the highest level of service while keeping costs low.



**40% OF SCHOOLS  
HAVE NO WIFI IN  
THEIR CLASSROOMS  
& AN ADDITIONAL  
36% LACK WIFI  
CAPABLE OF  
SUPPORTING 1:1  
LEARNING.<sup>1</sup>**

## SOLUTION: CRADLEPOINT ADVANCED EDGE ROUTING & SECURITY SOLUTIONS

Because of its broad set of networking applications, built-in reliability, and dependability in delivering secure solutions, Cradlepoint's AER (Advanced Edge Routing) Series platforms are uniquely positioned to match the evolving needs of small schools.

### CRADLEPOINT ADVANTAGES:

- + **Data and network security:** Cradlepoint's devices and cloud-based management platform proactively identify and respond to threats faster and help reduce costs using next-generation firewall protection with enhanced virus protection and anti-malware. Cradlepoint's content filtering solution helps the school maintain CIPA compliance.\*
- + **Rock-solid connectivity:** Best-in-class connection options ensure the school's connectivity will be reliable, uninterrupted, and secure. Converged wired and wireless failover ensure reliability so that networks will be available when staff, students, and administrators need them most.
- + **Flexible adaptability:** Cradlepoint's systems are engineered to scale and adapt, whether that means implementing and updating policies from the cloud or changing existing deployments to meet evolving needs.
- + **Cost-effectiveness:** Cradlepoint's solutions are purpose-built for smaller/edge networks with minimal on-site IT expertise. Cradlepoint's cloud-managed solutions are easy to deploy, manage, and maintain. Cradlepoint offers a combined cost-effective router, ethernet switch, and firewall solution that is ideal for small classroom and testing facility connectivity.

## SCHOOL DISTRICT DEPLOYS CONVERGED WIRED & WIRELESS PLATFORM

A school district turned to Cradlepoint for help accommodating the increasing number of mobile devices in classrooms. The schools also needed reliable Internet for online testing and access to cloud-based applications. The district hoped to reduce network management costs and provide better network segmentation for public and student WiFi, teacher and staff access, and particularly sensitive applications like student and employee personal data repositories.

Using Cradlepoint's AER3100 and Enterprise Cloud Manager, the district deployed wired primary



connectivity in schools along with wireless failover on a single platform. At schools where the student population has exceeded building capacity, portable classrooms utilize wireless primary connectivity. Sensitive data can be segmented through a different path, or reside on a completely separate, air-gapped network distinct from the open WiFi network. IT administrators rely on proactive alerts and centralized control to reduce on-site visits and minimize management expenses.

	Product Name	Part Number	Description
E-RATE SKU	<b>Small School Routing Solution</b>	3100-ESOLN-3YR	"Network-in-a-box" for small schools (90% E-rate eligible) + Router + Firewall + 3-year cloud management & warranty included + WiFi + Security services (3-yrs)* + 13 port switch
	<b>Classroom/Small Facilities Routing Solution</b>	1600-ESOLN-3YR	Internal Connections for classrooms and small facilities (100% E-rate eligible) + Router + 4 port switch + 3-year cloud management & warranty included + WiFi + Firewall
NON-E-RATE ADD-ON SKU	<b>CBA850 (no modem)</b>	CBA850	Antenna remoting and Out-of-Band Management
	<b>CP Secure Threat Management, 3-yr</b>	CPTM-3YR	Enhanced on-box threat protection (IPS/IDS)
	<b>CP Secure VPN, 3-yr</b>	CPSV-SN-3YR	Cloud-managed VPN tunnels, no head-end hardware required

\*CIPA – Not E-rate eligible

GO TO [CRADLEPOINT.COM/K-12](http://CRADLEPOINT.COM/K-12) TO LEARN MORE.

Sources

<sup>1</sup><http://www.educationsuperhighway.org/about-school-networks/>

\*Our Zscaler product includes content filtering. Cost allocated for E-rate purposes due to not being eligible for USAC funding.