cradlepoint

How LTE and 5G Solutions Help Schools Extend and Improve K-12 Education

K-12 education is more connected than ever. From classrooms and gymnasiums to buses and student homes, schools now are using wireless edge solutions featuring cellular broadband and Wi-Fi to support the influx of application-based teaching and distance and hybrid learning. With scalable networks and data security top of mind, forward-thinking schools incorporate Wireless WAN (WWAN) into their campus architecture and beyond school walls, with district-managed LTE and 5G routers being used in the homes of teachers and students. Flexible wireless connectivity means kids of all ages can access the staff and information they need to succeed, while maintaining compliance with the Child Internet Protection Act (CIPA).

SOLUTIONS	Wireless edge routers and adapters ▪ Cloud-based management

Distance and Hybrid Education

In-home wireless edge routers provide scalable cellular broadband connectivity in offsite locations for students and staff. Troubleshooting and management of those routers is done remotely, reducing IT costs.

Temporary Classrooms and Portables

Deploying LTE and 5G routers makes it simple to set up day-1 connectivity for temporary sites when main buildings are unusable or to alleviate overcrowding in classrooms.

Special Events and Arenas

Private 5G and LTE networks provide secure, reliable connections for point-of-sale devices during sporting events and orchestra, band, or theater performances.

Air-Gapped Networks

LTE and 5G routers provide dedicated connectivity to host digital signage, HVAC and environmental controls, and public Wi-Fi, without compromising the security or bandwidth of the primary network.

School Bus Wi-Fi

Mobile routers on school buses connect onboard surveillance cameras and enable students to access Wi-Fi to complete homework on the road. The IT team can remotely manage fleet routers from anywhere.

Campus Security

To keep kids safe, schools utilize sensors, cameras, and other IoT devices connected to private cellular to monitor school grounds, control entry points, and support push-to-talk channels for security.