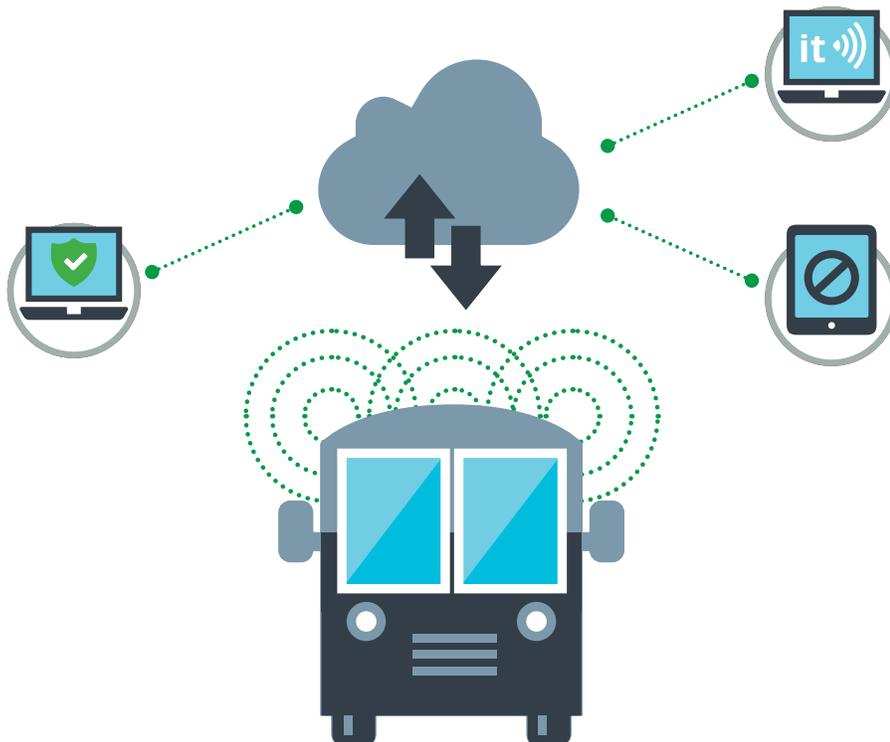**cradlepoint**

Cradlepoint 4G LTE Network Solutions for Mobile Libraries

CHALLENGE: TAKING A TECHNOLOGY-RICH LIBRARY EXPERIENCE ON THE ROAD

To bring library services to underserved populations and better serve the community, many library districts use mobile libraries (sometimes known as "bookmobiles") to reach constituents who would otherwise be unlikely to visit a brick-and-mortar branch. High-performance Internet connectivity is integral to creating a technology-rich mobile library.

+ Librarians access cloud-based inventory services for updates and searches.

+ Patrons utilize Internet-connected computers and mobile devices for online research and access to digital media.

+ Citizens who are otherwise unable to obtain Internet access utilize the mobile library's connectivity to apply for jobs, do homework, and read email.

"OUR STAFF ISN'T TECHNICAL... WE WANTED A (MOBILE) SOLUTION THAT WOULD BE SIMPLE TO OPERATE AND FREE US TO DELIVER LIBRARY SERVICES."[1]

However, deploying a network connectivity solution on the road presents a number of challenges:

+ **Rugged environments:** Impacts of urban and rural roads and temperature extremes can quickly damage a routing device not built to withstand such conditions.

+ **Carrier coverage:** Choosing the best carrier for constant mobile Internet coverage can be a guessing game.

+ **Network security:** Ensuring secure, reliable connectivity, including dependable WiFi and firewall protection, can cause network visibility and management challenges when mobile libraries hit the road.

SOLUTION: CRADLEPOINT CLOUD-MANAGED 4G LTE NETWORKING

Cradlepoint solutions leverage 4G LTE to let libraries take their technology anywhere and everywhere.

CRADLEPOINT ADVANTAGES:

+ **Ruggedized connectivity:** Compact, ruggedized devices are designed for in-vehicle connectivity in the most challenging environments, and they support all four major wireless carriers.

+ **Cloud-managed deployments:** Cradlepoint's cloud-based management software makes it simple to configure, deploy, and manage the network from a centralized, remote location to reduce costs and improve productivity without sacrificing performance.

+ **Next generation firewall and security:** Cradlepoint's suite of security solutions lets IT administrators easily and transparently enforce security policies from any remote device while patrons and employees surf the web and access cloud applications with confidence.

	Product Name	Part Number	Description
E-RATE SKU	**Bookmobile Solution**	1100-ESOLN-3YR	Network connectivity for library bookmobiles *(90% E-rate eligible)* + Ruggedized router + 3 port switch + Security services (3-yrs)* + WiFi + Firewall + 3-year cloud management & warranty included
NON-E-RATE ADD-ON SKU	**CP Secure VPN 3-yr**	CPSV-SN-3YR	Cloud-managed VPN tunnels, no head-end hardware required

*CIPA Not E-rate eligible

CITY LIBRARY DEPLOYS BOOKMOBILE WITH MOBILE INTERNET

A library hoping to enhance services for seniors, disabled citizens, children, and patrons without a nearby branch invested in a mobile library. The bus brought books and programming to daycares, retirement communities, and neighborhood parks each week. However, without mobile Internet, librarians were unable to reserve books for patrons in real time, search the cloud-based resource database, sell books with electronic Point-of-Sale systems, or provide other important services like research help and Internet access.

The library deployed Cradlepoint's IBR1100 wireless in-vehicle router to take Internet access on the road. Combined with Enterprise Cloud Manager and enterprise-grade firewall, the library's IT administrators secure, update, and troubleshoot the network remotely to minimize management costs and maximize the mobile library's time in the community. Patrons enjoy better service and access to a wider variety of materials and resources.

GO TO **CRADLEPOINT.COM/K-12** TO LEARN MORE.

Sources

[1]Communications News, Vol. 39 Issue 12, p40.