

Cradlepoint 4G LTE Network Solutions for Libraries

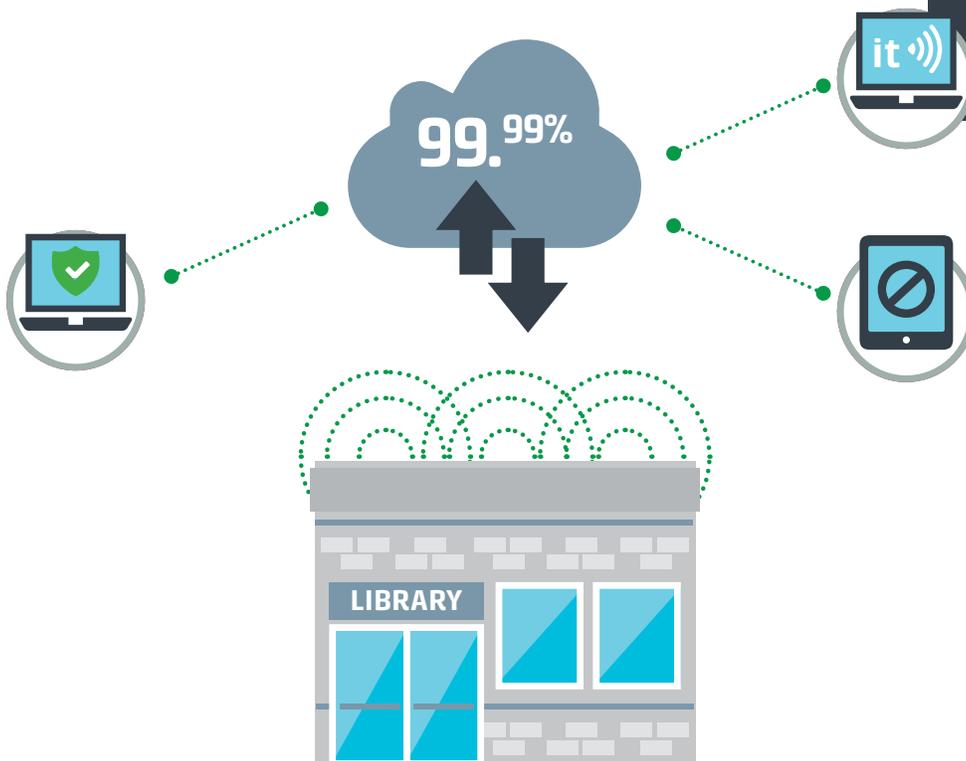
CHALLENGE: FLEXIBLE, DEPENDABLE NETWORK SOLUTIONS FOR LIBRARIES

Libraries are a community's go-to resource for learning opportunities of all kinds. Increasingly, that means ensuring high-performance, reliable connectivity for emerging and diverse learning applications:

- + Library patrons use cloud-based applications and massive open online courses (MOOCs) to learn new skills, like software programming or a foreign language.
- + Citizens who are otherwise unable to obtain Internet access utilize the library's connectivity to apply for jobs online, do homework, and read email.
- + Students use computers and mobile devices to access worldwide information databases (such as Interlibrary Loan or LexisNexis) for research.



OVER 1/3 OF LIBRARIES SAY THEIR INTERNET CONNECTIVITY ISN'T MEETING PATRONS' NEEDS.¹



With increasing demands and use but limited funding and support, libraries may struggle with:

- + **Security:** Library IT staff must provide required levels of data privacy and confidentiality to patrons, prevent unauthorized network access, and ensure CIPA compliance.
- + **Network reliability:** Because of their programming, research, literacy initiatives, family learning, and other key community functions, libraries need to reliably provide access to networks and multimedia resources.
- + **Affordability:** Libraries need network and security solutions that provide the highest level of service and reliability while keeping costs low.

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 Series platforms (Advanced Edge Routing) are uniquely positioned to match the evolving needs of libraries.

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 enterprise-grade firewall protection with enhanced virus protection and anti-malware. Cradlepoint's content filtering application, powered by Zscaler, helps the library maintain CIPA compliance.*
- + **Rock-solid connectivity:** Best-in-class connection options ensure the library's connectivity will be reliable, uninterrupted, and secure. Converged wired and wireless failover ensure reliability so that networks will be available when community members and library staff need them most.
- + **Cost-effectiveness:** Cradlepoint's efficient, secure systems that adapt to a library's evolving needs ensure that the highest standards are upheld without unnecessary costs.



STATE LIBRARY SYSTEM DEPLOYS CONVERGED WIRED AND WIRELESS PLATFORM

A state library system needed to accommodate the bandwidth needs of the growing number of patron- and library-owned mobile devices accessing the network. The library also hoped to simplify network management for IT teams charged with managing public WiFi (which they received at a discounted price from their ISP) along with the internal network across distributed locations.

By purchasing a statewide 4G LTE data plan, the library was able to provide cellular-based connectivity for their libraries' internal functions

at a lower cost than they paid for wired access. The library system chose Cradlepoint's AER3100 routers with Enterprise Cloud Manager for centralized remote management, data pooling among locations, and enterprise-grade security. With Cradlepoint's WAN Diversity™, the libraries could manage their wired ISP for public WiFi and the 4G LTE internal network on one platform. Should the wired access for public WiFi fail, the network fails over to 4G LTE connectivity.

| | Product Name | Part Number | Description |
|-----------------------|--|----------------|--|
| E-RATE SKU | Library Routing Solution | 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 |
| NON-E-RATE ADD-ON SKU | CBA850 (no modem) | CBA850 | Antenna remoting and Out-of-Band Management |
| | CP Secure Threat Management, 3-yr | CPTM-3YR | Enhanced on-box threat protection (IPS/IDS) |
| | CP Secure VPN, 3-yr | CPSV-SN-3YR | Cloud-managed VPN tunnels, no head-end hardware required |

*CIPA – Not E-rate eligible

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

Sources

¹<http://www.gatesfoundation.org/Media-Center/Press-Releases/2010/03/Millions-of-People-Rely-on-Library-Computers-for-Employment-Health-and-Education>
 *Our Zscaler product includes content filtering. Cost allocated for E-rate purposes due to not being eligible for USAC funding.