

Connecticut Education Network

High Return on State Education Investment



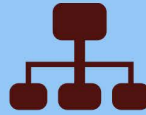
Continued support of the Connecticut Education Network (CEN) will allow our state to capitalize on technology investments that have become critical to learning and operations across schools, libraries, universities, and towns.



- 800,000+ Students
- 50,000+ Educators
- 1.5M Library Cardholders



- 1,270+ Schools
- 36 Colleges & Universities
- 161 Libraries
- 80 Towns
- 26 Fire and Police Departments



- Security
- HVAC
- Finance
- Health
- Transportation
- eLearning

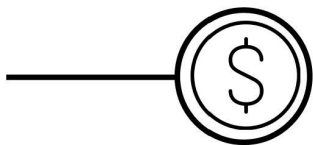
Impact

Built specifically for Connecticut's education needs, CEN connects millions of students, teachers, professors, and citizens statewide. Teaching, learning, and the operational aspects of education depend on the Network's unique combination of capacity, scalability, security, and support.

Value and Sustainability

The Network's cost-recovery model minimizes operational expenses, with savings passed on to schools, libraries, universities, towns, and other paying members. As a result, the FY '17 cost of CEN services represents a 500% return on investment compared with their market value. Even with the advent in 2016 of charges to libraries and K – 12 schools, CEN members renewed 96% of their agreements, demonstrating the value of the Network to these organizations.

Return on Investment



Education Focus

Service Comparison

Feature	CEN	Others
Education Focus	✓	✗
Security & Availability	✓	✗
Performance	✓	✗
Dedicated Support	✓	✗
Cloud Connections	✓	✗

CEN remains dedicated to the needs of schools, libraries, and universities. At no additional cost, the Network offers virtually unlimited bursting for heavy traffic periods, protection against malicious attacks, federally mandated content filtering, direct peering agreements with top educational providers, group software purchasing, and local support. CEN is a network of people, too, with professional learning and collaboration opportunities tailored to educational technology needs.

Security and Availability



As a network built for the demanding needs of researchers, CEN offers premium security and availability services at no additional charge, including Distributed Denial of Service (DDoS) monitoring and mitigation. Network staff have resolved hundreds of attacks in the past year alone, incidents that would normally take districts, libraries, colleges, and towns offline for hours or days. Mitigation tools help ensure that core teaching and learning — not to mention security, HVAC, finance, and transportation systems — continue unaffected.

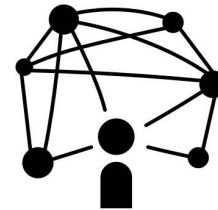
Performance

CEN covers the entire state with more than 2,400 route miles of fiber. The Network exceeds the most intensive education research and industry demands for networking, with annual increases in traffic of 50% and current levels exceeding 400 Gbps. Regardless of their contracted connection speeds, members appreciate on-demand bursting at no additional cost to accommodate heavy periods of usage, such as online testing.



Dedicated Support

The CEN team backs its members through a 24/7/365 Network Operations Center and access to senior technical staff for timely, expert resolution to any challenges you may encounter. With headquarters in Hartford, fleet vehicles serve the entire state.



Cloud Connections

CEN's peering connections allow members to access key educational content providers and services quickly and securely without traversing the commercial Internet, including the following:



Value-Added Services

In addition to high-speed connectivity, CEN also provides these additional services:

- Advanced DDos Detection and Mitigation
- Domain Name Service Hosting
- Hosted Video Telepresence
- Managed Firewall
- Managed Web Filtering
- Cooperative Purchasing



Contact

For more information about CEN and its value to Connecticut schools, libraries, colleges, and towns, contact

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