



# CYBER TOWN AREA NETWORK (CTAN)

## Cyber Digital Brings the Richness, Flexibility and Economy of the Internet to the Underserved State and County Municipalities

The growing need for content delivery has led to a surge in the demand for solid, high-speed, "always on" Internet services which cannot be fulfilled by the inherent limitation of dial-up modems. Cyber Digital, Inc. offers robust, high-bandwidth Internet access systems geared towards municipal users who demand reliable broadband services. Cyber Digital's "Town Area Network" (CTAN) is the ideal solution for those areas where dependable, quality service is in high demand.

Whether you require large file transfer capability, high-capacity e-mail traffic, or need to host an active web site, Cyber Digital has the access solution for you. Distribute and receive inter-networked communications, conduct electronic transactions,

and access vast information resources with the immediacy of the Internet – all from your desktop!

Cyber Digital systems are compatible with various backbone carriers allowing service providers to establish "Points Of Presence" (or POPs) within a centrally located area in town. This "Mini-POP" acts as the entire town's gateway to the IP backbone, eliminating the need for data transfers to "hop" across several routers located miles away to get to the Internet. Cyber Digital's "One Hop to the POP" philosophy assures fast and reliable data transfers each and every time.

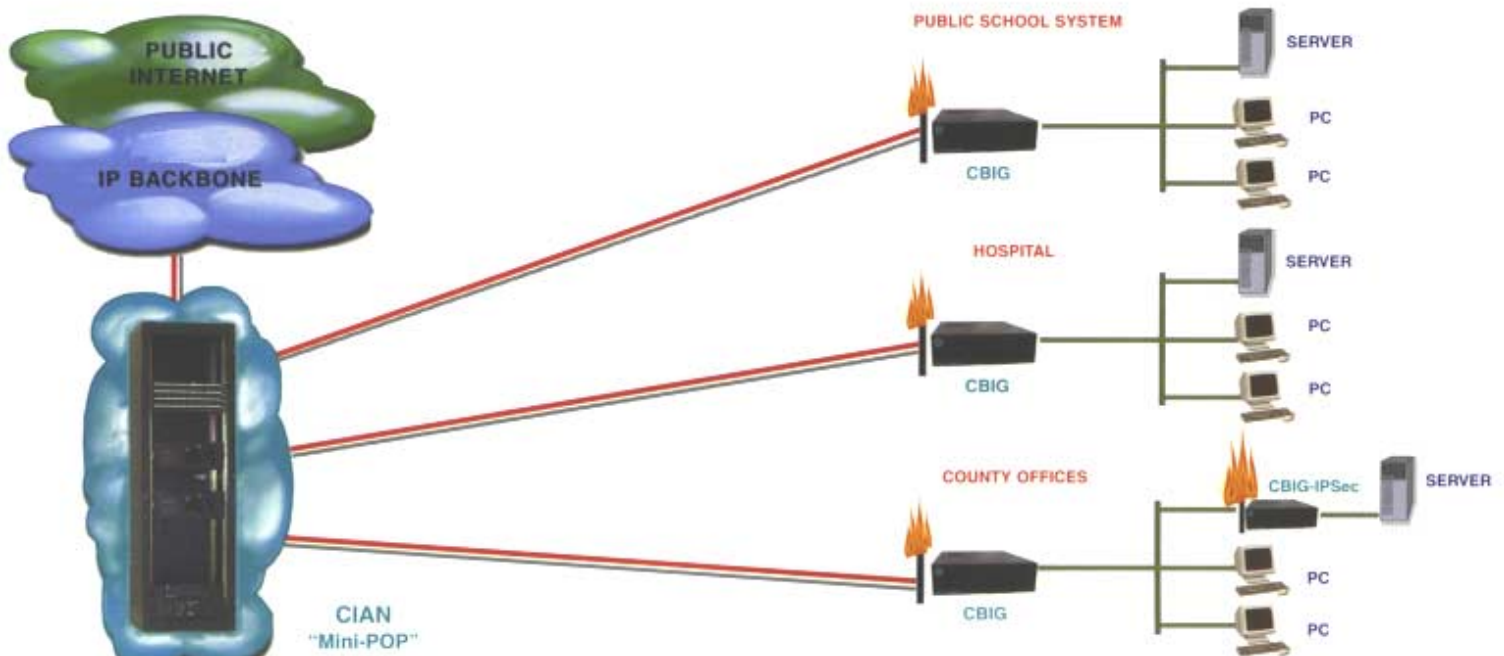
Once a CIAN "Mini-POP" has been established, service providers connect every school, hospital, police department,

government office, fire department, and, if desired, business in town.

When a physical connection is made, the circuit terminates on a small piece of hardware in the client's location called a CBIG (Cyber Business Internet Gateway). CBIGs are more than your conventional router; they are computers that handle much of the client's specific needs. Some of these include:

- G2G (Government to Government) IP Frame Relay packet switched services
- G2G IP Private Line packet switched services
- G2G IP Frame Relay to Private Line packet switched services and vice versa

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In addition, the CBIG also defends your network by applying IP packet filtering, as well as IP address and port number redirection. While this provides basic firewall security, our enhanced firewall security options should be considered for critical data protection. Several choices include:

- Enhanced Firewall based on IP masquerading
- Super-Enhanced Firewall based on IP tunneling
- Ultra-Firewall based on IPsec – NIST and ICSA certified

## **Cyber Digital Systems Offer End-to-End Management**

Cyber Digital systems provide the convenience, resources and flexibility of the Internet without the headaches associated with managing a connection. Cyber Digital systems provide carrier-grade Internet solutions with managed "end-to-end" connectivity speeds of 128Kbps to 1.5Mbps, plus all of the additional support and features.

Simple-do-it-yourself installation and maintenance software permits full operational control of the equipment, significantly lessening the network management burden.

## **Cyber Digital Offers Virtual Private Network Systems**

Until recently, if an organization wanted to share data with other entities, they had to either invest heavily in data networks or risk running critical information over the unprotected Internet. Cyber Digital's Virtual Private Network hardware and software allow

network managers to benefit from the flexibility, multitude of new applications and remarkable economy of the Internet while still enjoying the privacy of a secured data network.

## **Opening Access Channels to Constituents**

A Virtual Private Network (VPN) solution from Cyber Digital establishes a high-volume, high performance communications network with popular value-added features.

- Keep communications flowing between like organizations
- Provide e-mail, access to databases and file transfers from your LAN to authorized users
- Ideal solution for Telemedicine applications
- Distance learning capabilities for schools
- Secure and effective communications between law enforcement agencies

## **Take Advantage of the Benefits of this Powerful Solution**

- Empower officials with all of the information available on your municipal data network
- Establish extranets that strengthen your connection to others
- Take full advantage of the resources the Internet provides
- Broadcast local events over the Internet
- Offer streaming video and other multimedia applications from desktop to desktop

## **Maximizing Your Investment**

The most obvious advantage of Cyber Digital's Virtual Private Network systems is the economy of using a ubiquitous IP backbone network. You gain the value of a private network with Internet economy, reducing the need to invest in other capital assets.

Just when your demand for digital broadband access and a secure, private network is exploding, Cyber Digital offers an end-to-end solution that provides a robust connection, designed for easy growth with built-in security features and economies.

*The future is a digital broadband world.*

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