

Features

- Remote Access
 - World-wide Connectivity
- Central Administration
- Separate User/Device Authentication
- High Availability/Reliability
- Browser-based User Interface
- Administration Functions
 - Activate Devices
 - Add/Disable/Delete Users
 - User Privileges
 - Groups
- Secure
 - SSL
 - AES 128-bit Encryption

The TCG-1000 facilitates connections between remotely-located, serial-enabled devices attached to a Connectivity Server to users running the Connectivity Client as part of the Traversix Connectivity System. The Traversix Connectivity System provides an end-to-end solution for world-wide connectivity to previously inaccessible serial devices—even for devices behind firewalls, without any changes to the firewall or application.

Facilitates Communication

The Connectivity Gateway is the key to communication between Connectivity Clients and Connectivity Servers. When a Server is powered on, it connects to the Gateway and continually maintains that connection. After a Client is authenticated, the Gateway provides a list of Servers/Ports that the Client has authorization to use. When the Client requests a specific Server/Port, the Gateway establishes a secure, encrypted stream between them. The Gateway multiplexes connections enabling a Client to connect to multiple Servers and vice-versa.

User/Device Authentication Separation

The Connectivity Gateway authenticates users and devices separately, greatly simplifying and enhancing system administration. User access and privileges can be modified independently of devices; significantly enhancing security and reducing the administration issues associated with a distributed authentication architecture.

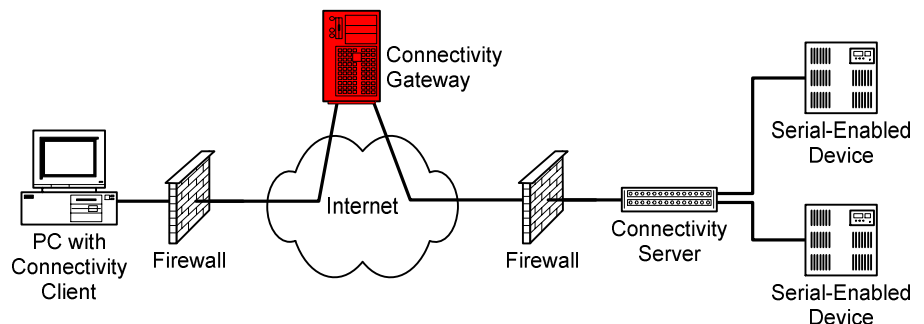
Central Administration

The Connectivity Gateway allows corporate administrators to manage access and configuration of both Connectivity Servers and Connectivity Clients through a web-browser. Account administrators can activate/deactivate devices, select which users can access which devices (and which device ports), and add/delete/modify user accounts. They can also see usage statistics and rename devices/ports with descriptive names.

Strong and Silent

Although the user typically only sees are the Connectivity Client and the Connectivity Server, the Connectivity Gateway operates 24/7, processing thousands of transactions per second. Reliability and robustness are integral to its design and deployment.

Traversix Connectivity System



Subscription or License

The TCG-1000 Connectivity Gateway is available on a subscription or software license basis. As a subscription service, subscribers pay a flat, unlimited access monthly fee per Traversix Connectivity Server. The Traversix Gateway is housed in a secure data center with the redundant computing, power, and communications expected in a high availability system, providing the robust connectivity users require.

For customer that prefer to host their own Connectivity Gateway, a TCG-1000 software license is available for enterprise customers. An enterprise-hosted Connectivity Gateway has all the capabilities of the Traversix-hosted Connectivity Gateway. The Gateway is available on a highly redundant, robust platform or a basic computing platform, depending on the customer's availability/reliability requirements. To simplify installation, the Traversix-hosted Gateway acts as a clearinghouse for Connectivity Servers, redirecting them to their assigned enterprise Gateway.

Specifications and Requirements

Model	TCG-1000, Version 1.3
Server Hardware	Operates on Intel processors, 450 MHz and up 2.4 GHz CPU and 512 MB RAM recommended
Setup	Software pre-loaded at factory Browser-based configuration once on site
Administration	Browser-based central administration of user accounts and Connectivity Clients
Encryption	AES 128-bit SSL
Logging	Client / server connection attempts Client attachment to device ports Client / server disconnections
Operating System	Microsoft Windows 2000 Microsoft Windows XP Red Hat Linux 9