Cipher X® 7200

internet

security

for mission critical

networks

Cipher ONE
Optimized Network Encryption

End-to-End Transparent VPN Security

The Cipher X 7200 is a member of TCC's family of high speed security systems that provide leading edge encryption, authentication and firewall protection for internetworking applications.

The Cipher X 7200 offers centrally managed end-to-end security that can seamlessly integrate into existing Internet Protocol (IP) Wide Area Networks (WANs) providing secure Virtual Private Network (VPN) solutions. No network modification is necessary.

Choice of Algorithms

Cipher X 7200 is offered with the Triple DES Algorithm or with TCC's optional proprietary algorithm which we will customize to meet particular requirements worldwide.

Network Encryption, Authentication and Management

The Cipher X 7200 encrypts and authenticates, providing transparent end-to-end network security.

The Cipher X 7200 supports up to 1024 simultaneous encrypted sessions.

Nodes in a network can be segmented into cryptographically separated subnets or user communities. Using KEYNET, TCC's centralized management system the network manager has complete control governing which nodes may communicate.
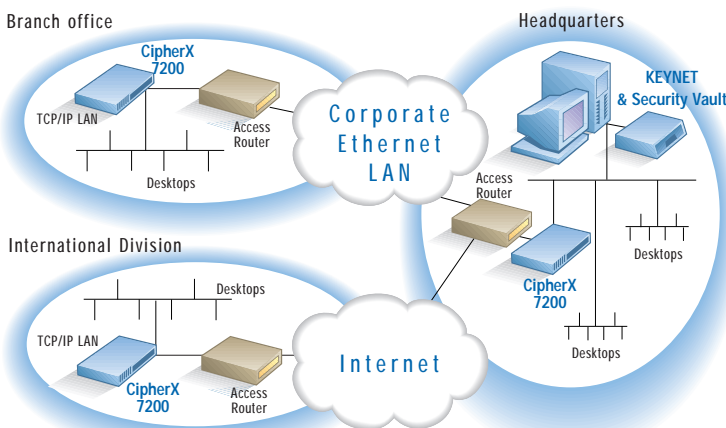
Contact

Please contact TCC or your TCC representative for your specific encryption requirements.

key benefits

> Protocol sensitive IP security

> Encryption, authentication and firewall

> Remote key management

> Supports 10Base – T Ethernet

> Supports 1024 simultaneous virtual circuits

> Up to 12 "discretionary access" groups

> Centralized management with KEYNET system

> Triple DES algorithm

> Optional customizable proprietary algorithm

> Selective filtering of transport layer protocols

> Low packet latency

> Simple to operate, install and maintain

Virtual Private Network

Branch office
CipherX 7200
TCP/IP LAN
Access Router
Desktops

Headquarters
KEYNET & Security Vault
Access Router
Desktops

Corporate Ethernet LAN

International Division
Desktops
TCP/IP LAN
CipherX 7200
Access Router

CipherX 7200
Desktops

Internet

Cipher X® 7200 ——————— s p e c i f i c a t i o n s

KEYNET Centralized Management

TCC offers the most comprehensive centralized security management available. The KEYNET system can simultaneously manage all of TCC's Cipher X products including those on mixed networks such as both IP and Frame Relay. This eliminates the need to train operators at each site and reduces downtime waiting for a technician to clear an error or eliminate the cause for an alarm. KEYNET saves money and keeps the network up and running securely.

KEYNET establishes a unique and secure link to each unit. All communication between KEYNET and Cipher X 7200, such as key transportation, diagnostic commands and security configuration settings, are encrypted and authenticated.

Application

LAN/WAN security for IP networks. Provides Encryption, Authentication and Firewall capabilities. Supports Ethernet 10Base-T

Encryption

NIST approved Triple DES Algorithm TCC's customizable proprietary Algorithm

Key Management

Symmetric Key Management ANSI X9.19 and 9.52 KEYNET remote management Cipher Site Manager

Security Standards Supported

ANSI X9.19, X9.52

FIPS 140-1 level 3 certification pending

Physical Interface

Ethernet 10Base-T

Power Requirements

85-265 VAC, 50-60 Hz 20 Watts typical

Features

1024 simultaneous sessions
Unique encryption key for each session
Authenticated crypto header
Automatic crypto synchronization
Anti spoofing and playback protection
Hardware based encryption
Anti-tamper w/auto key erase

Operating Environment

Temperature: 0° to 50°C
Humidity: 0 to 90%, non condensing

Dimensions and Weight

Height: 1.75 inches (4.4 cm)
Width: 16.5 inches (41.0 cm)
Depth: 10.5 inches (26.7 cm)
Weight: 15 lbs (6.8kg)

Agency Approvals

FCC Part 15, subpart B, Class B
UL 1950
EN55022 89/336/EEC
IEC 801-2, 801-3, 801-4
EN 60950

Quality

As an ISO 9001certified company, TCC designs, manufactures and supports high-grade secure communications systems that protect highly sensitive information transmitted over a wide range of data, voice and fax networks. Over 2,000 government/military agencies, financial institutions, telecom carriers and other multinational corporations worldwide rely on TCC to protect their communications networks.

TCC secures mission-critical networks for governments, corporations, and financial institutions around the world. With over 37 years experience, TCC is the trusted supplier for organizations that place a high value on the confidentiality of their data and voice communications.

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Contact

Technical Communications Corporation
100 Domino Drive, Concord, MA 01742-2892, U.S.A.
Tel: 978-287-5100   Fax: 978-371-1280
E-Mail: info@tccsecure.com
Web Site: http://www.tccsecure.com