**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.

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**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
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.

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: 0o to 50oC
- 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 9001 certified 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.