

Bridging... Secured. Simplified.

Features

- Automatic Secure Bridge Connections
- Ethernet or IP Bridge
- Layer-2 Operation
- No User Limits
- Two-Factor Authentication
- 256-Bit AES Encryption
- Seamless Migration to Public Networks from Leased Lines
- Proven Smart Card Based Solution
- Easy to Install
Easy to Administer
- No Roles or Policies to Setup or Administer

KoolSpan securely and simply connects networks and subnets with Parent/Child Locks dramatically reducing the cost and complexity of network design and application access. Designed to protect and extend an enterprise network across dissimilar geography, KoolSpan operates without any modification to existing networking equipment or to mission critical applications that run on the network.

KoolSpan enables the enterprise to realize exceptional efficiency and cost savings, as any collection of networks and/or subnets can be established as a single secure LAN. Applications such as email, VoIP, groupware, sales and customer management systems become instantly available, without modification and without infrastructure replication in the field. Compatible with all networking and applications, KoolSpan's operation is transparent to its users.

- LAN Simplicity = Savings – Establish easy to use and manage LANs across any geography
- Public Network Savings – Migrate from private circuits to public networks with trusted links
- Other Application ROI – Provide access to business applications without replication
- Strong Security – 256-bit AES encryption with per packet keying (without the overhead)

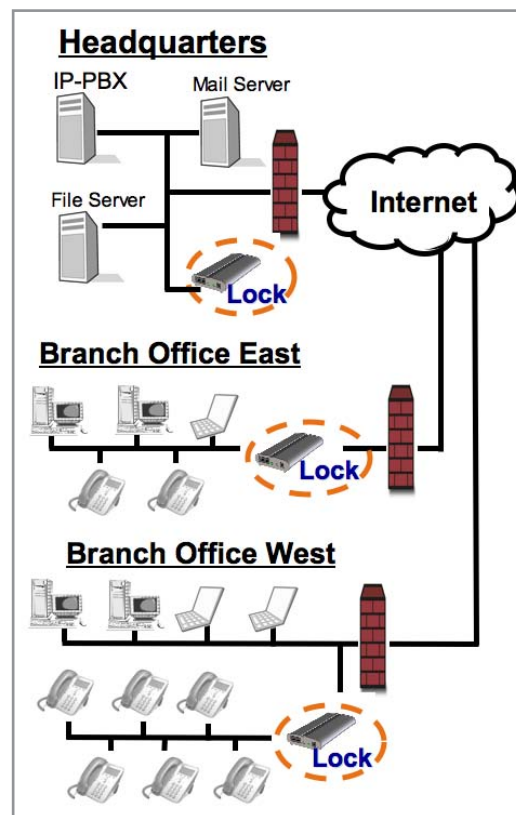
Simplify the Network and Save

Organizations often operate from multiple locations and on independent networks. At the same time, access to applications and other network resources are required at all branch locations. To replicate infrastructure at each location, significant capital and operating expense is usually required.

With KoolSpan SecureBridge Locks, branch office networks or subnets on those networks share a common, secure LAN and its resources. As pictured here, a Lock at headquarters protects network resources. Branch Office East, with its authenticated Lock, is a secure extension of the same LAN, providing local access to all network resources. A single subnet at Branch Office West, a telephony subnet, is securely bridged to headquarters. Branch offices can be established quickly and efficiently by simply installing pre-configured KoolSpan Locks on both sides of the network.

Migrate to Public Networks

Security conscious organizations often lease private network connections to securely link multiple network locations. These connections, however, are costly, recurring, and unnecessary with KoolSpan.



Security Without Boundary™

Secure Bridge

KoolSpan®

KoolSpan Lock

- Embedded Hardware Design
- Easy to Install
- Hardware-based Encryption
- Tamper-evident Construction
- Syslog Output for Activity Monitoring

With its revolutionary security architecture, KoolSpan allows organizations to bridge across the public Internet. Beyond dramatic savings in monthly connectivity charges, Internet connections (as compared to private circuit connections) are often more readily and quickly available. As a result, an organization can more easily and efficiently establish secure branch office connectivity.

Other Application ROI... Expansion Without Replication

KoolSpan drives significant ROI...for other applications and enterprise initiatives. Uniquely securing all communications at Layer 2 across IP networks, KoolSpan allows the enterprise to rollout VoIP services across any geography on a single IP-PBX. Branch offices simply need a KoolSpan Lock to connect securely to the internal telephony infrastructure. There is no need to support and replicate an IP-PBX extender at the branch office - just plug in the desk phones.

The bottom line... KoolSpan saves the enterprise material capital expenditures and considerable operating expenses by providing a centralized and dramatically simplified network architecture that requires far less support and maintenance than traditional ones.

Strongest Security Available

KoolSpan makes use of Smart Cards, a proven technology for robust and secure authentication. Embedded in each Lock, Smart Cards are used as trusted components that independently authenticate with each other and securely compute 256-bit AES session keys, which are then used to protect all network communications.

KoolSpan provides Layer 2, on-chip Ethernet Encryption, and the session key is changed with every packet. Layer 2 implementation provides true bridging, and results in transparent operation to all higher layer protocols such as IP or applications. The AES algorithm encrypts without expanding the size of the source data, resulting in no impact on performance or speed.

Overall Solution

- 256-bit AES Encryption
- Encryption of all Layer-2 data
- Two-Factor authentication
- Authentication is completed in only 2 packets
- Keyless exchange

Hardware

- Hardware-based, 256-bit AES Encryption
- 512kb Flash Memory / 512kb DRAM
- Two 802.3 10/100 Ethernet ports (one "Trusted" and one "Un-secure" network)
- 6vdc, 800ma (supplied via 110vac adapter)
- Dimensions: 18.57 cm (7.31") x 10.62 cm (4.18") x 3.45 cm (1.36")
- FCC Part 15 Class A Certified



KoolSpan SecurBridge

Call Global Teck Today for further information: (703) 766-6363

KoolSpan Inc.

4962 Fairmont Ave. • Bethesda, MD 20814 • USA
+1 (240) 880-4400 voice • +1 (240) 238-7534 facsimile
www.koolspan.com

Global Teck WORLDWIDE

1900 Campus Commons Drive, Suite 100
Reston, VA 20191 USA • +1 (703) 766-6363
www.global-teck.com