

CipherWire Networks, LLC

Government Certified

FIPS 140-2 Level 2

Price Model

Meshed Group

WAN Encryption

VSE - Variable Speed Encryption



Hardware Platforms:

Platforms that grow with you

***From small / home office to data center,
we have the right size appliance for you***

Bandwidth Licenses:

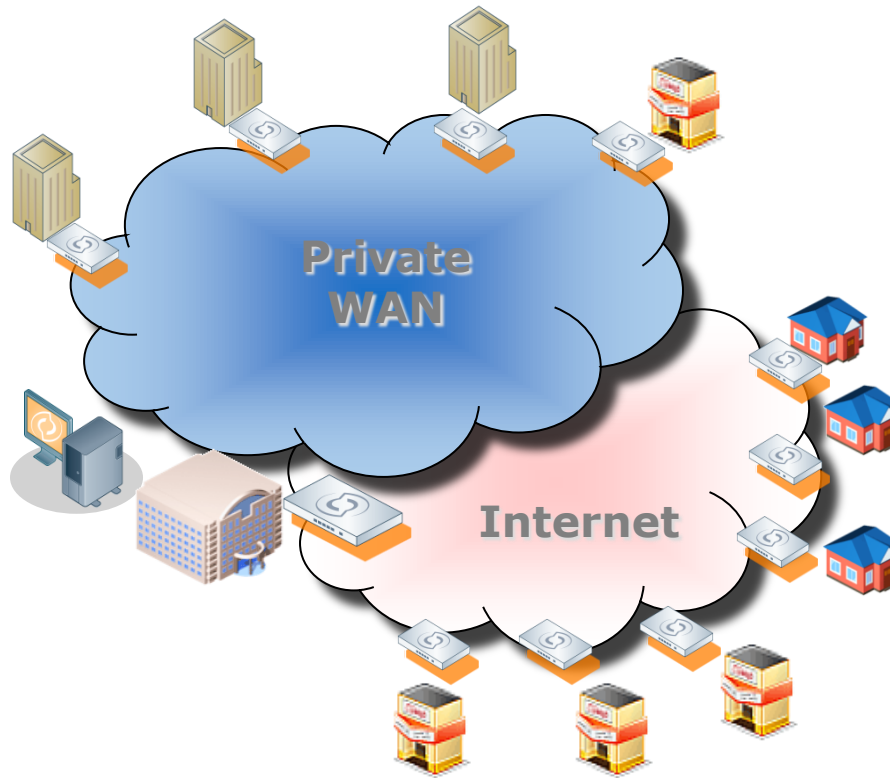
Unlock the throughput you need

***Now you can unlock the throughput you need with our
new bandwidth license without any upgrade penalties***

Solution Details - Group Encryption

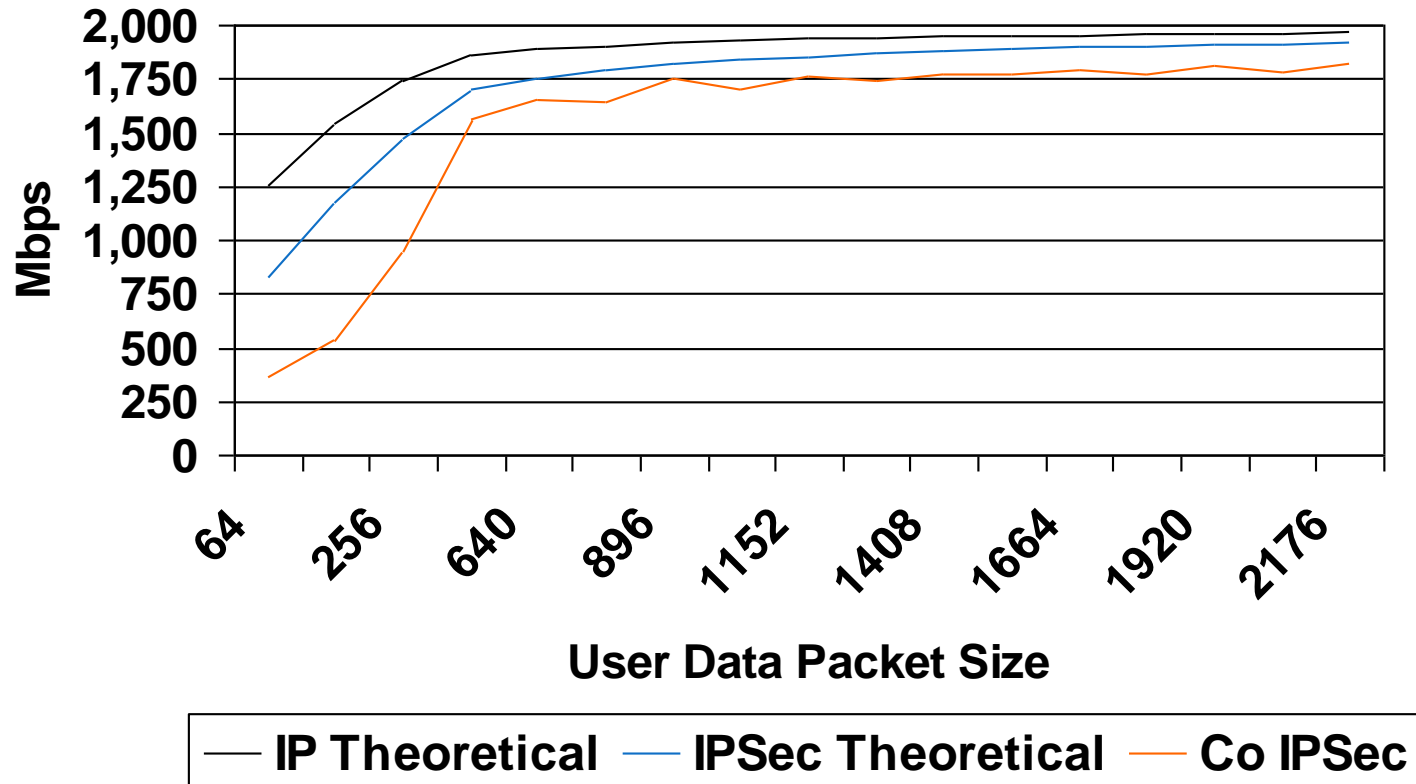
- FIPS 140-2 Level 2 Government Certified
- Eliminates all IKE-based tunnels & related management
- This is the next-gen "full mesh" network security
- Enables encryption of any traffic between "trusted members" (=group), with agreed upon security policies
- Centralized security policies and keys generation
- Scales from small to large number of nodes (2 to 1,000s)
- Supports any traffic (data, VoIP, video) and multicast applications in Layer 2/3/4 environments
- Model endorsed by the global manufacturers and carriers

Secure LAN Extension



- **Extend Group Encryption policies to remote offices and public networks connecting over the Internet**
 - **Consolidates security solutions**
 - **Delivers low latency AES 256 encryption and per packet authentication**
 - **Supports load balancing and High Availability**
- **Corporate Security can control all connections under a single management solution**
 - **Lower TCO compared to IPSec tunnels**
 - **Does not require users to “turn it on”**
 - **Add/Moves/Deletes policy updates in seconds**
- **Functions, applications and user groups can be cryptographically segmented to support**
 - **PCI**
 - **SARBOX**
 - **HIPAA/HITECH**
 - **Other State/Federal data privacy regulations**
- **Supports all standard topologies and applications**
 - **Full mesh**
 - **Multicast**
 - **VoIP**
 - **Video**

Very Low Latency = Hi Performance



Security Gateway IPsec throughput measured at zero packet discard using SmartBits test tool. One IPsec Tunnel using ESP (3DES, SHA-1). 802.3x flow control disabled.

Maximize Your ROI

Router Based Encryption IS **VERY EXPENSIVE**

- Much Higher CapX compared to VSE
- Increased latency = reduced throughput
- Higher telecom expenditures
- Difficult to provision & manage large # of nodes

compared with

Meshed Group Encryption **SAVINGS**

- Significant CapX Savings
- Line speed throughput
- Potentially reduce telecom costs

Fast & EZ Provisioning

www.youtube.com/user/cipheroptics

www.youtube.com/watch?v=90G9kjOEa3w

The screenshot shows the YouTube channel page for 'CipherOptics - Network Security & Encryption'. The channel name is 'cipheroptics's Channel'. The main video player displays a video titled 'CipherOptics CipherEngine' with a description: 'A Tutorial for: -Adding Encryption Appliances -Configuring Appliances -Create and Deploy Policies'. The video progress bar shows 00:02 / 10:04. To the right of the video player is a list of other videos, including 'CipherOptics CEP1000 Encrytor Video Data' (78 views - 4 months ago), 'CipherOptics CEP100 Encrytor Video Data' (77 views - 4 months ago), 'CipherOptics CEP10 Encrytor Video Data' (112 views - 4 months ago), 'CipherEngine Policy & Key Management -' (1,002 views - 11 months ago), and 'CipherEngine TCO Tool Sneak Peak' (36 views - 4 months ago).

The screenshot shows a YouTube video titled 'Cisco Branch Router Configuration Part 4 - Site-to-Site VPN (IPSec)' by 'jrComputerLabs'. The video content displays a network topology diagram titled 'HQ To Branch Connectivity'. The diagram shows a central 'INTERNET' cloud connected to two routers. The left router is labeled 'Branch' and the right router is labeled 'HQ'. Both routers are connected to a central 'EIGRP 1' cloud. The diagram includes IP addresses for each router: Branch (192.168.1.1024) and HQ (192.168.2.1024). The video progress bar shows 00:02 / 10:43.

We can encrypt a 10 node fully meshed network in only 10 minutes!

It takes a Cisco expert 10 minutes to set up one IPSec tunnel. It would take approximately 15 hours to replicate what we did in 10 minutes!

Benefits Summary

- Eliminates all IPSec tunnels
- Supports full mesh networking
- Scales from sub-T1 through 10Gig
- Encrypts all Layer 2/3/4 Traffic
- VoIP / Video / Multicasting Applications
- FIPS 140-2 Level 2 Government Certified
- Adds no measureable latency overhead

Contact Information

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Thank You!

CipherWire Networks