KERKHOFF TECHNOLOGIES INC

SMALL & MEDIUM BUSINESS

ENCRYPTION
Feature Brief

We Live in the Digital Age

Organizations are challenged with putting safeguards in place to protect their valuable digital information. However, the reliance on connectivity in today's business environment means an ever-increasing pace of data creation and dissemination. As data zaps around the globe in milliseconds, do you really know if your transmission is safe? It needs to be shielded. Your network needs to be secure. You need to protect your many sensitive communications, whether in the form of video, voice, or text – not only from criminals, but also from your competitors and unforeseen network breaches. The need for protection is further heightened by escalating public demand for privacy. Businesses can respond by meeting expectations… and prevent potential damage to reputation.

Bonded Internet™ Encryption Protects Your Data

Encryption is the most important privacy-preserving technology available.
It protects your data when it's sitting on your computers and in data centers, and also when it's being delivered around the Internet. Implementing encryption is essential and we offer DTLS in three cypher strengths - AES128, AES256, and Salsa20 to guard the packets that pass over your various network connections.

You Take Network Security Seriously, and So Do We

In addition to standard encryption, by its nature our technology spreads traffic across multiple Internet connections. Even if an attacker manages to capture one of your individual Internet connections, he will only see a small fragment of your entire traffic. Combined traffic is authenticated by the receiving server with a hash-based message authentication code (HMAC, from RFC2104). This ensures an attacker can't intercept, modify, or forge messages sent between your sites.

Benefits

FIREWALL
Monitor and control the incoming and outgoing network traffic to identify overall network capacity and enforce entry/exit rules associated with applications.

TRAFFIC DISTRIBUTION
Breaks up sessions into its smallest possible component and distributes the information down multiple connections to add extra layer of security.

ENCRYPTION LEVELS
Provides comprehensive and affordable protection to secure all communications:
- AES 128
- AES 256
- Salsa20

Contact Us

204 - 45389 LUCKAKUCK WAY
Chilliwack, BC. Canada

Phone: 6048242770
Toll-Fee: 877-314-0319
www.kerkhofftech.ca

About Us

We make networking simple and reliable for organizations. KTI is changing the traditional telecom and networking model with our breakthrough Internet-enabled solution that allows Enterprise and SMB customers to simplify their WAN and mitigate the risk of downtime while relieving issues of scale, security, and quality.