HiSec160

High Speed IP encryptor

Days have gone when establishing IP security with a high throughput was a highly complex task demanding extensive planning of security policies which lead to the need of running a security management center. The HiSec160 encryption device makes high level safety affordable, simple to install and configure without making compromises to the level of protection. Dynamic key establishment is done fully automatically making the need of a central management station obsolete.

Front view of HiSec160

> **Features HiSec160**
> - **2 x 10/100/1000 BaseT Ethernet Interface**
> - **High Speed Encryption for Fast- and Gigabit-Networks**
> - **AES Encryption Security with 128, 192, 256 Key length**
> - **160 Mbps Troughput @ 1500 Frame size / half duplex**
> - **120 Mbps Troughput @ 1500 Frame size / full duplex**
> - **Simple & efficient user Interface over command line**

High Speed data encryption
HiSec160 is designed to provide the latest in safety for fast point-to-point IP links such as high speed wireless radio connections and fiber optics or laser links. It simply protects all communication over fast or Gigabit Ethernet from wire-tapping. With its dedicated processor - trimmed for encryption - the cipher operation takes only two duty cycles. This makes the HiSec160 the fastest encryptor of its kind with a throughput of up to 160 Mbps. Encryption is done according to the well recognized Advanced Encryption Standard (AES) with a key length of up to 256 bits.

Automatic Key Exchange with IKE
The integrated Internet-Key-Exchange Daemon (IKE) automatically establishes and changes the symmetrical keys dynamically based on the shared secret. Each pair of HiSec160 devices has this individual security element in common.