

AppSecureEmail™ Hardware Based Email Encryption Device

AppServer Solutions is developing a family of secure network devices incorporating a proprietary hardware based variable-bit encryption algorithm. These devices are invisible to the network and provide a high-performance, flexible communication platform for a wide range of network based applications.

AppSecureEmail™ encrypts and decrypts raw e-mail messages to and from specified e-mail addresses. The encryption is based on a proprietary custom variable-bit algorithm implemented in hardware. The device provides security and high throughput without impacting workstation performance or network bandwidth.

The device is a standalone unit with two Ethernet ports. It connects to the computer and to the Internet router/modem via Ethernet cables. All network traffic is passed through the device. E-mail between specified users is automatically encrypted or decrypted. All other email is passed through without modification.

Features include network invisibility, impervious to SPAM and viruses, programmable architecture, and standalone operation.

Features

- Network invisible
- Impervious to SPAM and Virus
- Ultra-fast, real-time network packet processing
- Programmable Architecture
- Compact form factor
- Standalone operation
- 2MB Static RAM
- Dual, independent 10/100 Ethernet ports
- 5V DC Input



Figure 1: AppSecureEmail™ Hardware Platform

Applications

- AppSecureEmail™ - Secure E-Mail

The AppSecure™ hardware platform is a programmable platform that can host a variety of network based security applications. AppSecureEmail™ is the first application to be introduced on the platform.

Future applications include:

- AppSecureVOIP™
- AppSecureVideo™
- AppSecureFirewall™.

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