



## S/MIME Encryption

### Overview

S/MIME Encryption is our implementation of the S/MIME Gateway proposed standard, designed for economical integration and transparent use on the Sentrion Message Processor. This solution is used to establish dedicated encrypted links between organizations to encrypt email through its entire route—including hops through servers that the organizations don't control such as an email security SaaS provider. S/MIME Encryption is ideal for biotechnology companies and other enterprises that need the equivalent of a VPN for secure email communications from gateway to gateway.

### Audience

Biotechnology companies that use email to submit drug and device filings to the FDA, or any organization that requires a dedicated, secure tunnel for exchanging confidential documents with another organization via email.

### Key Features and Functionality Overview

S/MIME Gateway is an implementation of S/MIME encryption that allows organizations to maintain their own security certificates at the network gateway, rather than requiring individual users to provide their own certificates to send and receive encrypted email. This Sendmail solution implements S/MIME Gateway as an integrated application on Sentrion, providing affordable, easy-to-manage email encryption that extends all the way between offices, partners, and organizations. Like a VPN tunnel dedicated to email, S/MIME Encryption persists across the entire routing path for any email—even if the email passes through servers beyond your control, such as a SaaS virus-scanning service.

The U.S. Food and Drug Administration (FDA) require biotechnology companies to encrypt all their drug and device submissions using S/MIME Gateway. Our solution meets the FDA requirement, ensuring that no filing sent by email can be intercepted. Other vertical markets are also considering or planning to adopt the S/MIME Gateway technique. And it's a perfect solution for any company that wants to establish secure email tunnels for exchanging mission-critical documents with suppliers, customers, partners, and branch offices. S/MIME Encryption gives you the best of both worlds: end-to-end encryption between network gateways, without the management and end-user hassles associated with standard, desktop-to-desktop S/MIME.

With our S/MIME Encryption, you enjoy:

- Automatically established trust relationships between organizations, using X.509 certificates for key exchange
- Dedicated links that sustain encryption even as messages transit servers beyond the sender's or the recipient's control
- Easy management, with organizational certificates that don't burden IT or end users
- Interoperability with any other S/MIME Gateway system that adheres to the draft standard
- FDA compliance
- Interoperability with other S/MIME Gateway implementations that conform to the draft specification

Whether you're in the biotech business, or any other company that needs total gateway-to-gateway security for important email communications, S/MIME Encryption is the ideal solution for your Sentrion messaging infrastructure.