



Datacryptor® Voice-over-IP (VoIP)

Why THALES For Secure VoIP?

THALES UNDERSTANDS NETWORK SECURITY

In today's world, particularly the government sector, where information is highly confidential and sensitive, it is vital that fool-proof security mechanisms be used to ensure data privacy. A breach in security due to disclosure over a network could be devastating.

Networks are vulnerable, but a necessary component of today's sophisticated information age. The key to eliminating this vulnerability is to protect information as it travels across the network using encryption techniques. For the government, using encryption to secure information isn't just a requirement, it's an absolute necessity.

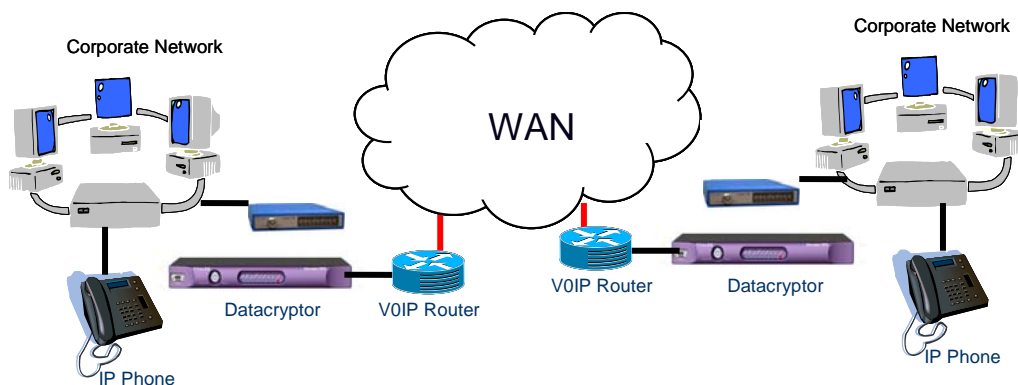
THALES' DATACRYPTOR® FOR SECURE VoIP

The Datacryptor family of encryptors is ideally suited to secure VoIP applications. A special feature allows the device to preserve the Type of Service (ToS) bit in each packet, enabling the unit to perform tunnel encryption without hiding the important ToS bit in the encrypted packet stream. Preservation of the ToS bit allows routing equipment to shield latency-sensitive priority packets from cumulative delays resulting from other traffic in the network. This enables support of Quality of Service (QoS) applications such as VoIP.

Key Benefits

- Employs the strongest algorithms available commercially to provide unsurpassed encryption.
- Stand-alone nature of device enables deployment at perimeter of Government's enterprise network allowing for direct connection to standard VoIP-enabled routers at the gateway.
- Hardware based device delivers maximum packet throughput, minimum latency and jitter without affecting the operation of the router -- achieving a high degree of security without voice quality degradation.
- Secures IP packets transmitted over public/private networks ranging from 10 Mbps to 1 Gigabit IP networks
- Encrypts/decrypts transmitted voice/data using 3DES or AES security to in-band/out-of-band control and monitoring channel
- FIPS 140-2 Level 3 and Common Criteria (CC) approved versions.

DEPLOYMENT SCENARIO





Thales Critical Elements of Network Security

- **Standards-Based Security**
- **Designed For Performance**
- **Flexibility To Match Security Needs**
- **Soft-Loadable Algorithms and Protocols**
- **Guaranteed Ready for AES**
- **Common management interface across all products**
- **Streamlined Tamper-Resistant Design**
- **Security to match the most stringent needs, easy to install, easy to manage and cost effective.**

Technology Innovation

Pioneering soft-loadable encryption technology, Thales e-Security has grown to become a world authority in flexible cryptography. Whatever the level of security, from Sensitive-but-Unclassified right through to TOP SECRET, Thales e-Security delivers cost-effective solutions that evolve as needs change -- all with a reduced cost of ownership and the safeguard of protecting capital investment.

A key example of our innovative thinking is the move to offer commercial-off-the-shelf (COTS) technologies over an increasing range of security classifications, maximizing network security investments.

Securing the Future

Thales' Datacryptors offer versatile encryption solutions designed for the future. Thales offers cryptographic solutions that allow users to seamlessly migrate to the new AES algorithm while preserving the initial hardware investment. Any business that transmits sensitive information across networks can't afford to ignore potential future vulnerabilities. The future is now with the THALES Datacryptor family of product solutions.

For Secure, Cost-Effective, Efficient Government Network Solutions that grow with your changing needs and network requirements call THALES' Federal Networking Department directly at 954-888-6297 for more information and assistance.



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