



ECHINOPS

High-speed IP encryption system
for classified networks



ARE YOU LOOKING FOR A SECURITY SOLUTION?

VPN/IP

100 Mb/s

Secret/NATO Secret

Flexible, upgradable system

The ECHINOPS encryption system is the optimum solution to your needs.



PROTECTION OF SENSITIVE DATA ON CLASSIFIED IP NETWORKS



The ECHINOPS encryption system, derived from the latest military encryption technologies, has been developed jointly with the Délégation Générale pour l'Armement, the French armament procurement agency. Compliant with IPSec and TEMPEST standards, it has been designed to give a high level of security to your communications on IP networks (French secret, NATO secret). A standalone solution for securing sensitive data on IP networks, the encryption system offers:

- high-performance (100 Mb/s),
- very high security level,
- centralized, user-friendly and secure management.



VERY HIGH SECURITY EQUIPMENT

Inserted in-line on the links to be protected, the ECHINOPS encryption equipment has all the security functions required for the deployment of classified virtual private networks (VPN):

- authentication of users and equipment,

- data confidentiality during transfer,
- integrity,
- anti-replay,
- address hiding,
- intrusion detection,
- emergency clearing,
- alarm generation,
- event log,

- CIK secret sharing mechanism.

Enhancing its integration capacities, the ECHINOPS encryption unit has the interfaces necessary for interoperability with the SELTIC key distribution system.



SECURE, CENTRALIZED ADMINISTRATION

The ECHINOPS operation centre allows:

- remote management of the equipment deployed in the network,
- key generation and automatic processing,
- monitoring of the ECHINOPS network and the alarms,
- interpretation of the essential information related to audit activities.

The ECHINOPS system is available in office, infrastructure and tactical versions.

With an ergonomic and user-friendly interface, it consists of:

- a Key Generation Centre (KGC),
- a secure Personalization Centre (PC),
- a Management Centre (MC),
- secure key injectors.

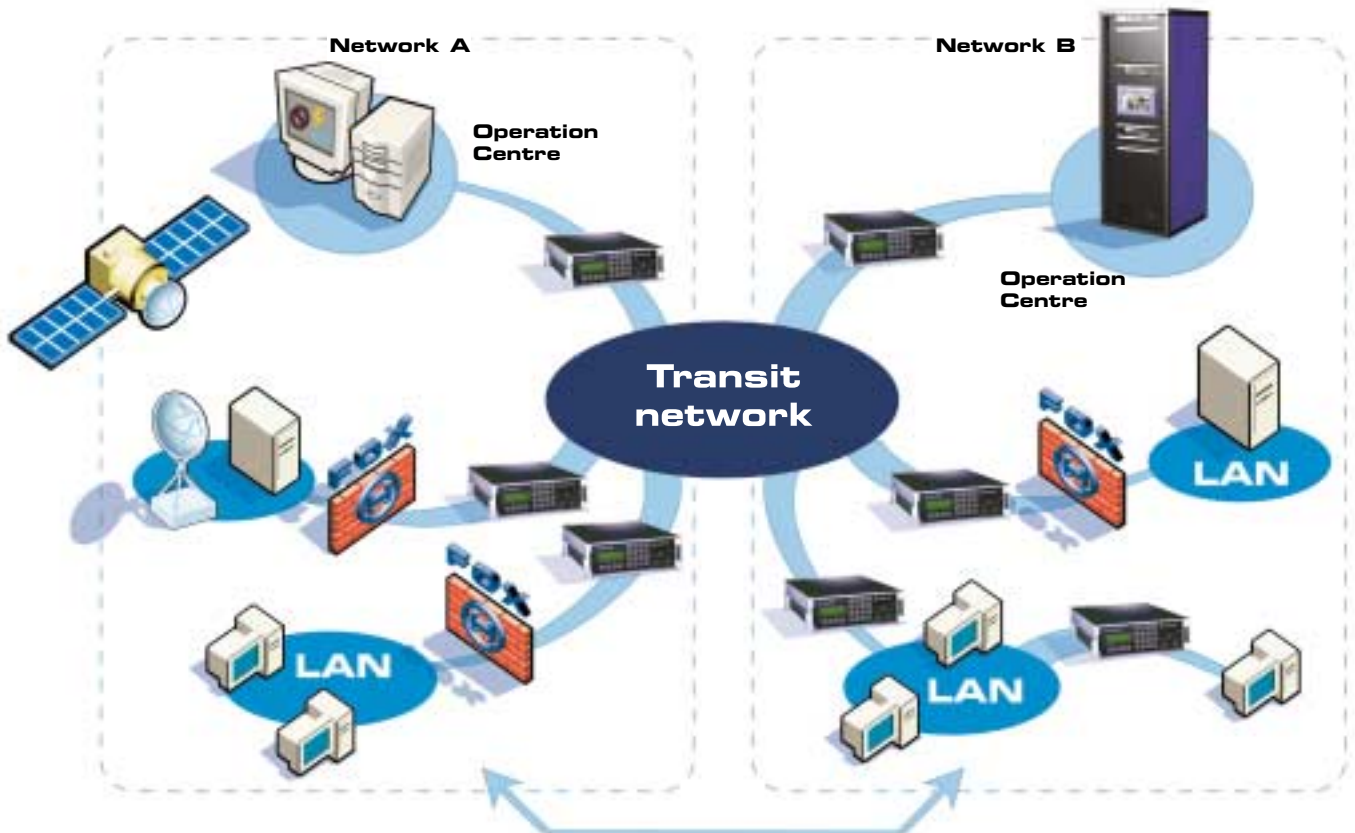
The ECHINOPS system includes advanced "network" functions:

- "encrypting router" operation
- cascade of crypto devices
- inter-domain communications



The ECHINOPS operation centre (infrastructure version)

EXAMPLE OF A 2-DOMAIN INTERCONNECTION



Secure inter-domain communications



A COMPLETE AND FLEXIBLE RANGE OF SERVICES

THALES Communications deploys a complete range of services to guide users through the equipment deployment and utilization phases:

- training,
- equipment installation/deployment,
- extended warranty,
- software update,
- customer call centre,
- on-site technical support,
- maintenance.



THALES

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