

TRC 7809

Encryption device up to 2 Mb/s Automatic key generation

- All rates up to 2 Mb/s
- V24, V35, V11, X21, G703/HDB3 (MIC), ISDN (Basic Rate Interface)
- Adapted to all point-to-point link network
- Link protection between corporate private networks PABX (LS, ISDN,...)
- Visioconference protection
- Self synchronizing algorithm with very high security level
- Automatic management of secret elements
- Fully automatic
- Easy operation and installation
- Remote management I/O port



General

The TRC 7809 is a high-rate encryption device, ensuring data confidentiality transmitted on point-to-point links, in synchronous, simplex, half-duplex or full duplex mode.

It fits into the transmission chain between the terminal and the modem at both ends of the link to be protected.

The TRC 7809 includes an automatic management of secret elements feature eliminating the traditional issues related to manual key distribution.

State-of-the-art crypto techniques make it fully automatic in operation and provide a very high of level security.

The equipment is using in particular a self-synchronizing algorithm totally unobtrusive inside the transmission chain.

Operation and installation are achieved through an integrated user-friendly keyboard/display guiding the operator.

Access to command files is protected by an operator authentication system using a secret code.

Once the TRC 7809 installed, operation is fully automatic. In case of link disturbance, the equipment returns into operational service without any operator intervention.

THALES

TRC 7809

SPECIFICATIONS

Security features

Specific non-linear self-synchronizing algorithm

Operator authentication with password

Emergency key erasing

Anti-spoofing protection

Key management:

- Automatic key management:

Automatic generation and activation of the equipment keys, in-line, according to a crypto-period selected by the operator

Mutual authentication of the equipment in-line and integrity check of the installation exchanges

Programmation of key updating

Possible renewal from the keyboard

Remote control for clear/crypto mode

- Possible manual key management:

Key loading - generated by an off-line key management center - through the keyboard or a key fill device. 10 keys stored in the TRC 7809 memory, even when switched off.

Key activation through the keyboard at any end of the link.

Other features			
Built-in test		G703/HDB3	2048 Kb/s with selective encryption of the ITs of the PCM frame
Transparent clear mode		In option	ISDN (Basic Rate Interface)
Man-machine interface with scrolling menus		Operation	24-key keyboard, 4 line-20 character display.
V24 or HDLC remote management port		Power supply	220V - 50 Hz - 50 W 110V - 60 Hz
Connection port for key fill device		Dimensions	2U x 19" W x H x D = 448 x 88 x 417 mm
Technical characteristics		Temperature range	Operation 0° C to + 40° C Storage 0° C to + 55° C
Full duplex, half duplex synchronous transmissions		Environment	infrastructure equipment
Interfaces and rates	V24/V28 up to 19.2 Kb/s V35 up to 72 Kb/s X21/V11 up to 2048 Kb/s	MTBF	35 000 hours

