



 Tactical Communications > Cypher

CIFPECOM

Personal Crypto for dismounted soldiers
(TZ-1001)

Secure Voice and Data on tactical environments, easy to integrate with Command, Control and Communication Systems.

Main Functional Capabilities

Key element for the security of the battalion due to advantages of **SIZE** and **INTEGRATION**

Optimized to be user transparent (no channel overload)

Adaptation of the Voice and Data secure modes to the communication channel

It is part of the Spanish Approved Product Catalog (Restricted and Confidential level)

Adds security with no operative impact

Keys and missions generation, even in deployment



In addition to in-line encryption, Cifpecom can be used in a number of different configurations:

- **TZ-1001** (SLAVE-CRYPTO mode): integrated as an external crypto
- **TZ-501R** (secure HW board): embedded on a third-party equipment
- **TZ-2001R-MC** (SW crypto): integrated as a secure SW



TZ-1001



TZ-501R



TZ-2001R-MC
(tablet W10)

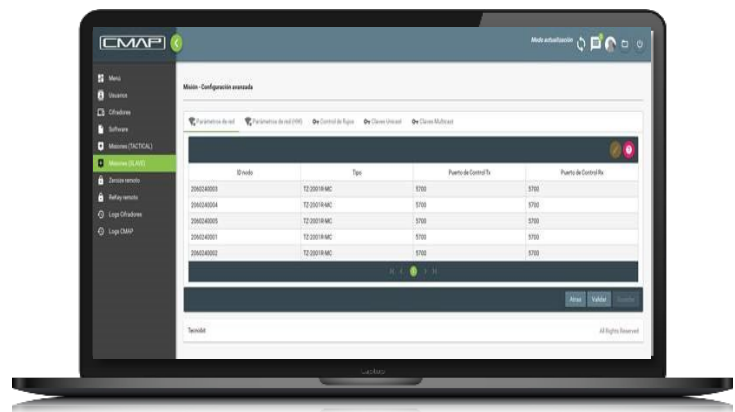
SECURE MODES

- SCIP-2400 Multipoint
- STACIS-2400
- TSVCIS-1200 (Narrow band)
- TSVCIS-600 (Narrow band)
- TSVCIS-1200/2400
- TSVCIS-600/2400
- IP Data Encryption GCM (with authenticated tag) y CTR
- TDMA Data Encryption

SECURITY MECHANISMS

Integrity and configuration checks
Local and Remote Secure erase (zeroice).
Secure Boot - Crypto Ignition Key (CIK)

CIFPECOM provides a key management center and network configuration (CMAP) enabling an easy deployment, including full setup



CMAP includes a HSM (HW Security Module for key generation fulfilling CCN-STIC-130 Spanish standard) to operate on ZAR sites.

It's possible to deploy CMAP in operations having obtained the keys loaded prior its application.

The creation and distribution of the missions and keys is done in the most transparent way to the operation



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