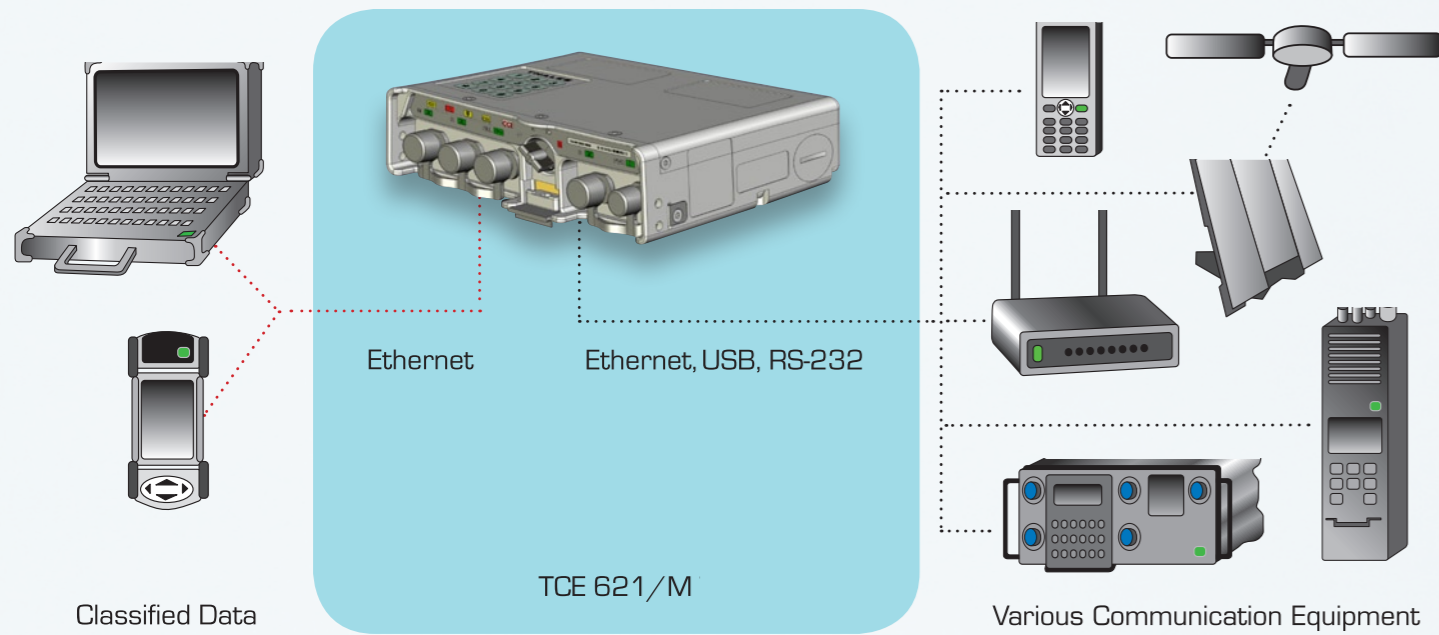
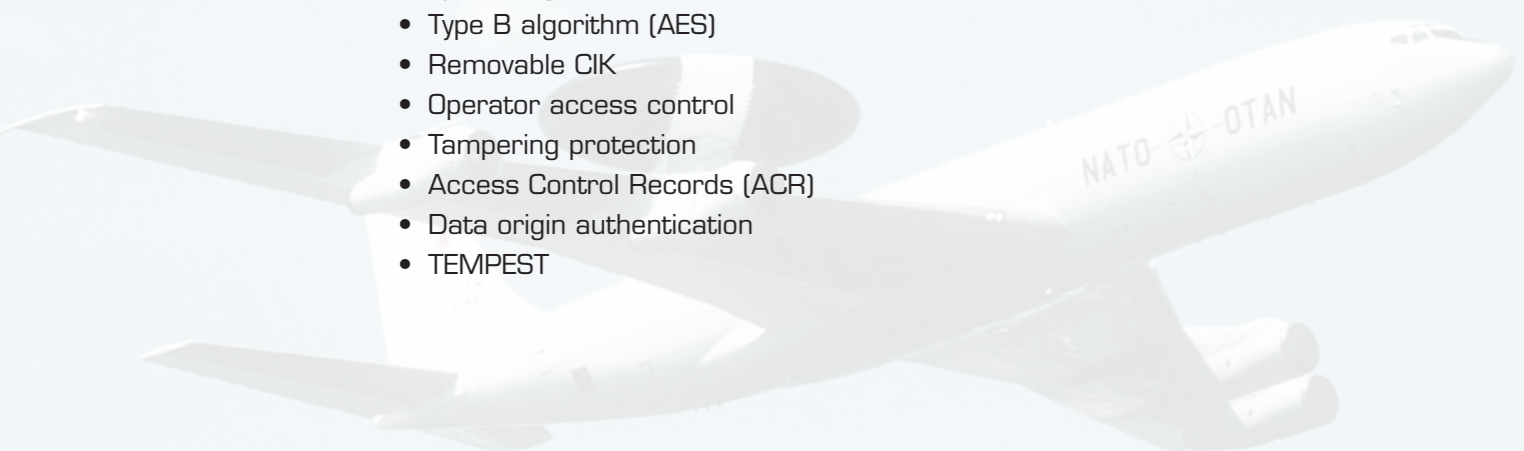


Proven security

TCE621/M is fully interoperable with all other variants of TCE 621 encryption devices in the Cryptel®-IP family – the dominant IP security system within the NATO community.

Security features

- Confidentiality designed for NATO Secret traffic
- Data integrity
- Type A algorithm (Einride)
- Type B algorithm (AES)
- Removable CIK
- Operator access control
- Tampering protection
- Access Control Records (ACR)
- Data origin authentication
- TEMPEST



TCE 621/M allows encryption over various communication media.

TECHNICAL DATA TCE 621/M

Communication protocols

- IPv4
- IPv6
- PPP (black side)
- SNMP support

Red port interface

- Ethernet 10/100 Mbit/s
- Optical interface by adapter

Black port interface

- Ethernet 10/100 Mbit/s
- USB 2.0
- RS-232 via USB cable adapter
- Optical interface by adapter

Encryption algorithms

- NATO type A (EINRIDE)
- NATO Type B (AES)
- Vectorized AES – allowing National Eyes Only algorithm by setting customized vector.

Dimensions

- 160 x 44 x 120mm (W, H, D)

Weight

- Approx. 800 g

Power

- Feeding: 10-30 V DC
- Consumption: ~ 5 W
- Back-up battery lifetime: > 6 months
- Back-up battery replacement by user

Key fill ports

- DS-101 (DTD)
- DS-102 (KOI-18)
- ISO 7816 (Smart card)

EMC

- MIL-STD-461

TEMPEST

- SDIP-27 Level A

Reliability

- MTTF > 100 000 hours

Environmental stress

- Tests according to MIL-STD-810 F

Temperatures

- Operating: - 31 °C / + 49 °C
- Storage: - 33 °C / + 71 °C

Low pressure

- Storage: 30.000 ft altitude
- Operation: 15.000 ft altitude

Immersion

- 1 m water depth

Shock

- 120 cm free fall

Vibration

- Exposure level C2, C3 and C4 (wheeled and tracked vehicle)

SW upgradeable

- Functionality
- Algorithm
- Reprogrammable crypto core
- SW upgrades from TCE 671 SMC or local PC



➤ TCE 621/M

Enabling IP encryption for mobile operations

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 Telefax: +47 22 63 83 01
 info@no.thalesgroup.com
 www.thalesgroup.com

IP encryption wherever you operate

TCE 621/M is specially designed to provide High Grade security for mobile operations, either in the battlefield or for mobile extensions (VPN) of enterprise networks.

Mobile offices

- Easy to carry for VIPs on the move who need secure communication from changing locations.
- Easy to "lock down" when not in operation.

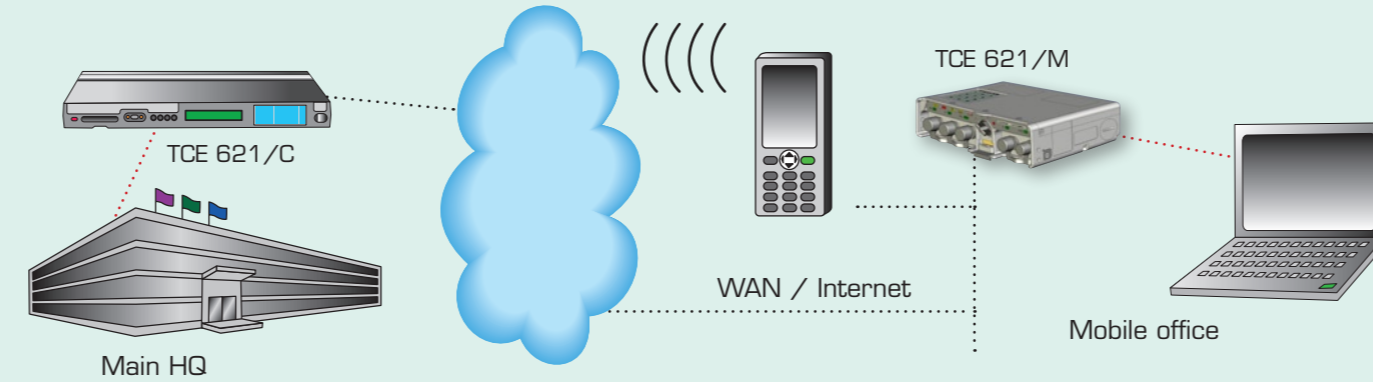
Combat zone

- Low weight and volume.
- Robust, including submersion, vibration, drop and temperature range.
- Protection against hostile use.
- Utilize communication media available.
- Low power consumption.
- No emission of light or sound.
- Receive only mode.

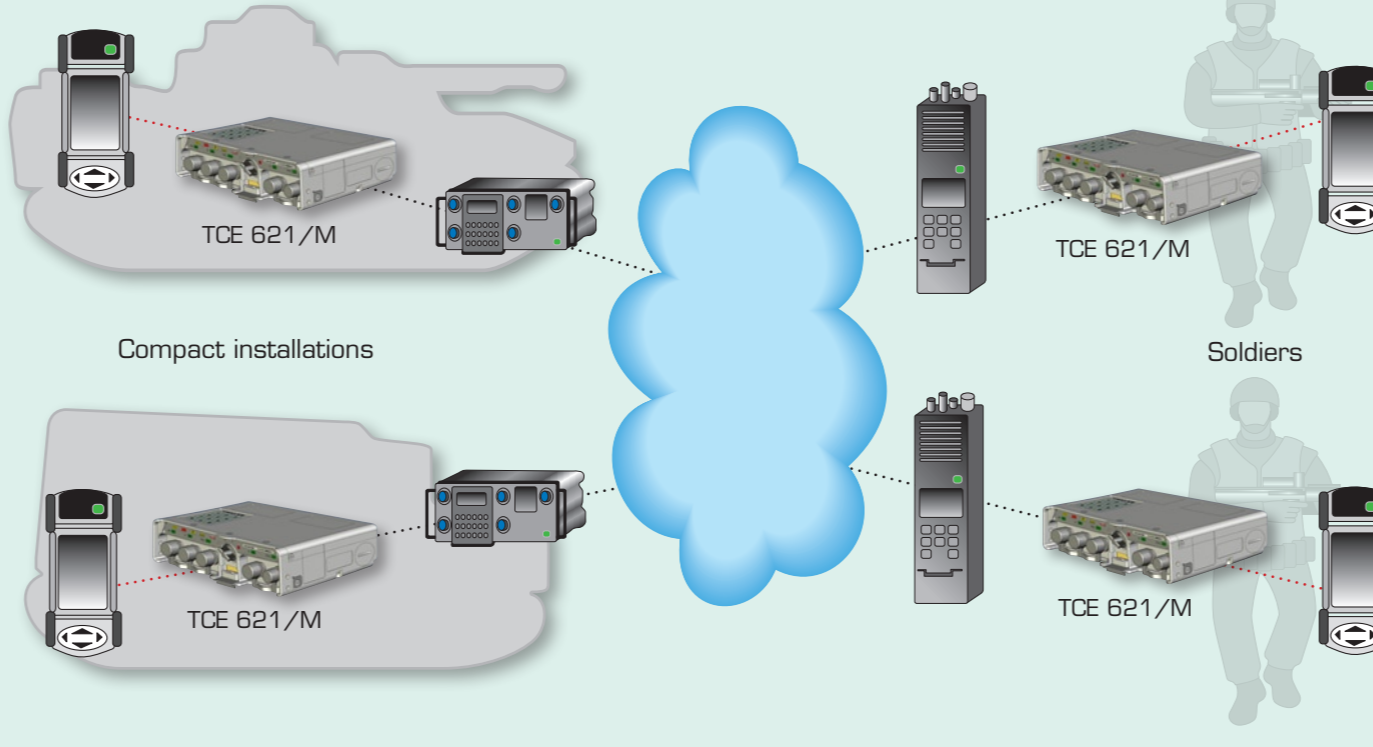
Extended area of operations

- Applicable to land, sea and air operations.
- Small communication nodes, vehicles, UAV, manpack.
- Fully compatible with TCE 621 variants.
- EMC.

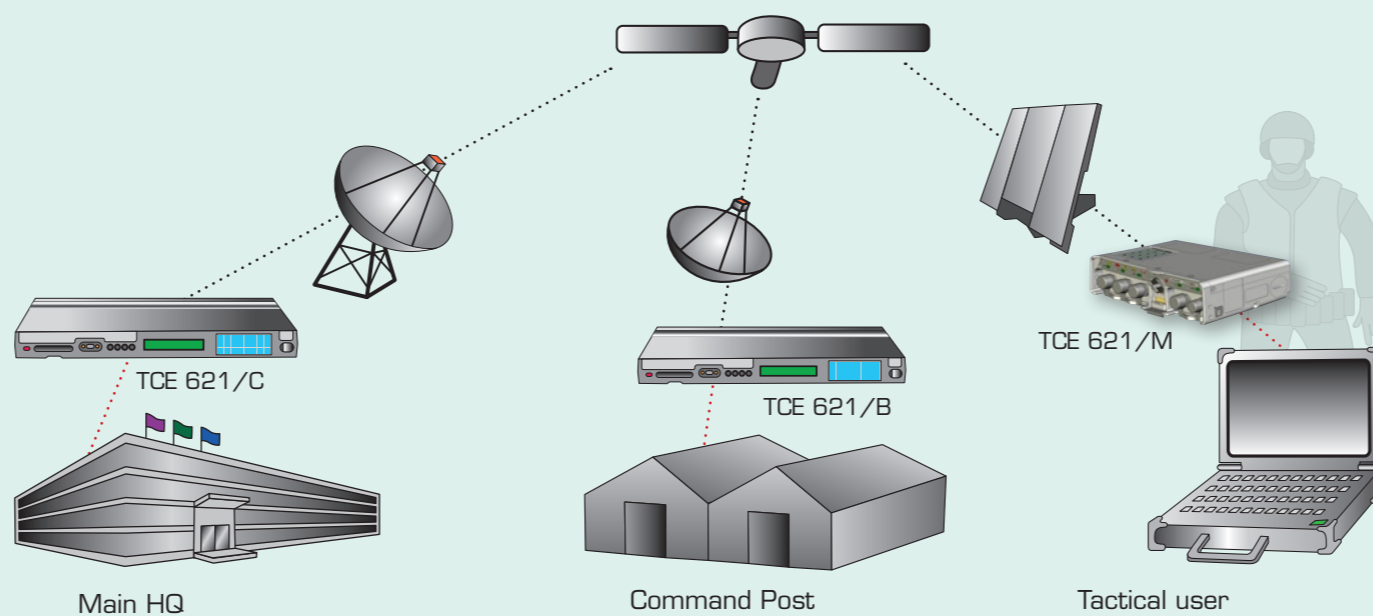
Mobile offices



Combat zone



Extended area of operations



Tailored for the mobile environment

Small and robust unit

- Simplified handling and installations.
- Low weight and volume.

Enhanced mobility features

- Both dynamic- (DHCP) and static IP-addresses on black side
- DHCP server on red side

Features for tactical operations

- Personal activation mode
- No light or sound emission
- Receive only mode
- Multicast support
- Redundancy

Prolonged independent operation time

- Extended key storage
- Backup battery lifetime > 6 months

Connects directly to a wide range of communication terminals

- Ethernet, RS-232 and USB interface on black side
- Commercial as well as military equipment

Easy management

- Intuitive user interface
- Easy to use WEB-based GUI
- Remote management

Key fill ports

- Locally from fill device (KDI-18, DTD, smart cards)
- Remotely key updates
- Black keys from file

Interoperability

- Fully compatible with all TCE 621 variants
- Centralized management by TCE 671
- NATO NICE interoperable

Future proof

- Re-programmable crypto core
- SW-upgradable for new standards, e.g. NINE

