



MINI-CATAPAN®

BID/2420

100Mbps UK High Grade S and TS IP Encryption Device



CESG Assisted Products Service

Key Features

- High Grade S and TS in-field re-configurable platform
- Pocket-sized, lightweight design
- NPM ACCSEC when non-operational
- High speed, low latency
- Reverse tunnel mode
- Low power
- Easy to configure
- Remote key management



Overview

L-3 TRL has over a decade of experience in developing and supporting sophisticated encryption devices. We have created long-standing relationships with UK government agencies and commercial service providers through the support of their wide ranging, secure network architectures.

We provided the UK's first High Grade S and TS ATM and IPv4 network cryptos. The CATAPAN® family assures the end-to-end protection of traffic across ATM and IP networks; protecting and securing many sensitive MOD and OGD systems worldwide.

Mini-CATAPAN® is a pocket-sized High Grade IP encryption device which utilises commercial components, eliminating the dependency on classified ASICs. The small, lightweight design is ideal for both tactical and strategic environments, offering the highest levels of security and functionality.

Mini-CATAPAN® has been developed to answer the flexible requirements of network designers and integrators to protect S and TS voice, video and data communications, providing a low through-life cost solution.

Once configured, Mini-CATAPAN® can operate without any user intervention, with a single key fill lasting up to 12 months. The device also has a simple and easy to use HMI.

For changing operational requirements, Mini-CATAPAN® can be easily re-configured in the field, enabling over-the-network software and firmware upgrades for added flexibility.

Management of Mini-CATAPAN® is via the intuitive CATAPAN® Device Manager; an easy to use GUI that contains a variety of features designed for optimum usability:

- In-field re-configurability
- Easy set-up of user and admin accounts

- Local and remote configuration & key management
- Over the network key fill for subsequent key fills
- Comprehensive Tunnel Setup Wizard
- Load, manage and assign key material
- Key Encryption Key (KEK) management
- View, save or clear the Event Log
- Facility to import/export configuration settings

In addition, the CATAPAN® Configuration Viewer enables users to view comprehensive pictorial representations of device configurations. Interface and Tunnel information can be quickly displayed on screen; providing detail on SPD parameters, SPI, keys and Tunnel status in addition to the IP addresses of the PT/CT interfaces.



TECHNICAL SPECIFICATIONS

Interoperability

In line with latest UK interoperability specifications using the UK Suite A Traffic Protection Algorithms
Fully interoperable with Enterprise-CATAPAN®

Classification

NPM ACCSEC when non-operational, even when fully configured and loaded with 12 months key

Mode of operation

Certified for reverse tunnel mode

Reconfigurability

Over-the-network software and firmware upgrades

Key

Key fill

Compliant with the latest CESG UK Key Management specifications and procedures

Crypto Ignition Key (CIK)

Enables NPM ACCSEC classification when non-operational
Master/backup CIK capability

Physical characteristics

Dimensions

27mm H, 93mm D, 155mm W

Weight

566g

Power consumption

Less than 10 Watts

Power supply

9 - 28v DC, COTS mains adaptor supplied

Speed

100Mbps duplex throughput*
Low packet latency

*depending on packet size

Interfaces

Physical interface

PT 10/100 base-T wired 802.3 Ethernet
CT 10/100 base-T wired 802.3 Ethernet

Remote CIK fill/Total erase capability

Via adaptors (available on request)

Management

Local and remote management

Standards based using SNMPv3
Supplied with CATAPAN® Device Manager (for all current products)

Environmental

Operating temperature

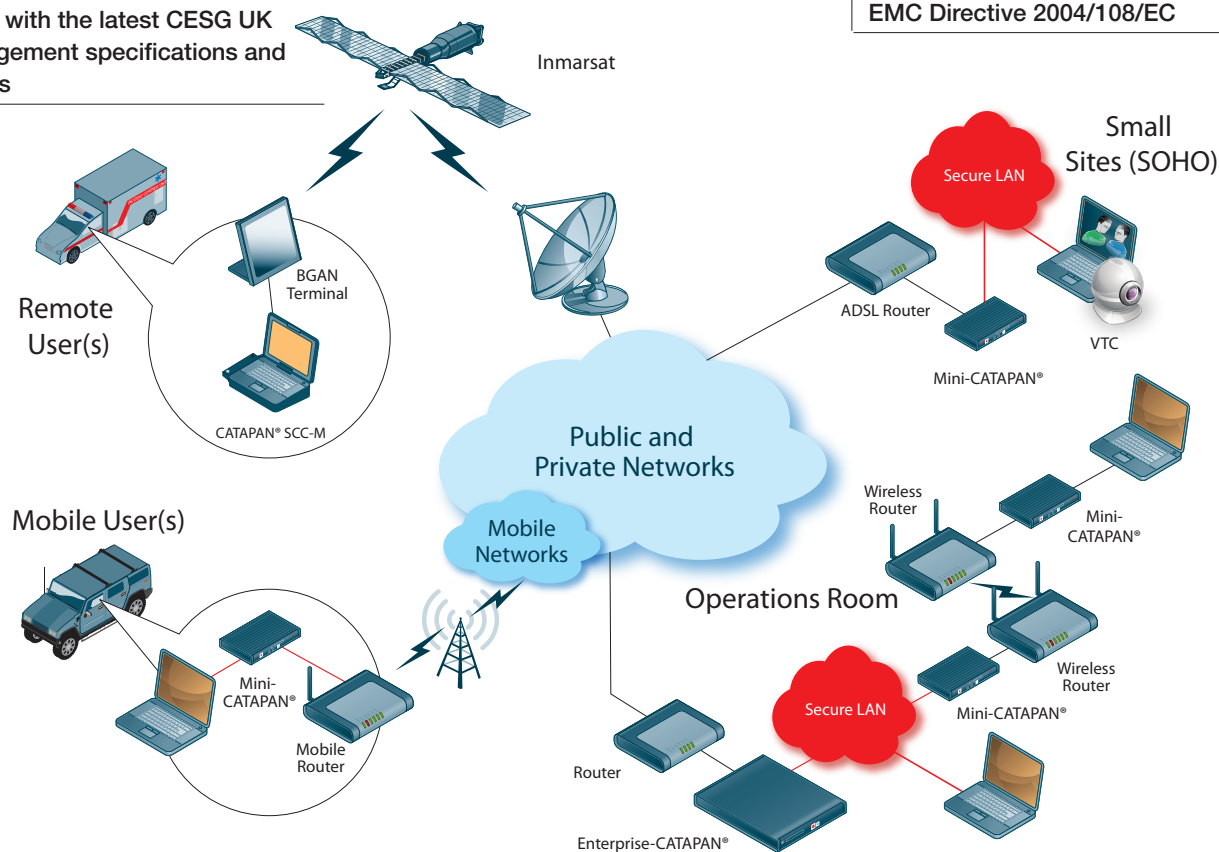
0 - 50°C

Tempest

TEMPEST Standard SDIP-27 Level A (100Mbps Ethernet) (BID/2420/2)

EMC

EMC Directive 2004/108/EC



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