



MINI-CATAPAN® GLOBAL

100Mbps High Grade IP Encryption Device



Key Features

- High Grade in-field re-configurable platform
- Pocket-sized, lightweight design
- High speed, low latency
- Low power
- Easy to configure
- Flexible key management solution to meet specific customer needs



Overview

L-3 TRL has over a decade of experience in developing and supporting sophisticated IP encryption devices for Government Grade Network Security, helping to defend against the cyber threat. With award winning products, L-3 TRL's CATAPAN developments remain at the forefront of many sensitive and highly classified government networks.

We have enjoyed long-standing relationships with UK Government agencies and commercial service providers through supporting their wide ranging network architectures, providing real-time effective assistance in the safety critical area of Cyber Defence.

Mini-CATAPAN Global the latest generation pocket-sized, High Grade IP encryption device, designed to meet the requirements of international governments and commercial providers who require a sovereign, High Grade IP encryption solution.

The small, lightweight design utilises commercial components, eliminating the dependency on classified ASICs and is ideal for both tactical and strategic environments, offering the highest levels of security and functionality.

Developed to answer the flexible requirements of network designers and integrators Mini-CATAPAN can protect 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 at least 12 months. The device also has a simple and easy to use HMI.

For changing operational requirements, Mini-CATAPAN can be easily re-configured to enable user-specified algorithms to be implemented, allowing the device to be used in multiple scenarios.

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 reconfigurability
- Easy set-up of user and admin accounts
- Local and remote configuration & key management
- 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

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.

Mini-CATAPAN Global is an easy to manage, efficient High Grade encryption solution that will provide the highest levels of security across a 64 node network enabling tactical, covert and mobile operations.



TECHNICAL SPECIFICATIONS

Interoperability

Mini-CATAPAN Global uses the UK Suite B Traffic Protection algorithm which provides the capability for interoperability, subject to national requirements

Classification

Non-classified when non operational, even when fully keyed and loaded

Key

Key Management Solution

Based upon UK key management specifications and designed to meet customer requirements to ensure sovereign capability

Physical characteristics

Dimensions

27mm H, 93mm D, 155mm W

Weight

566g

Power consumption

~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)

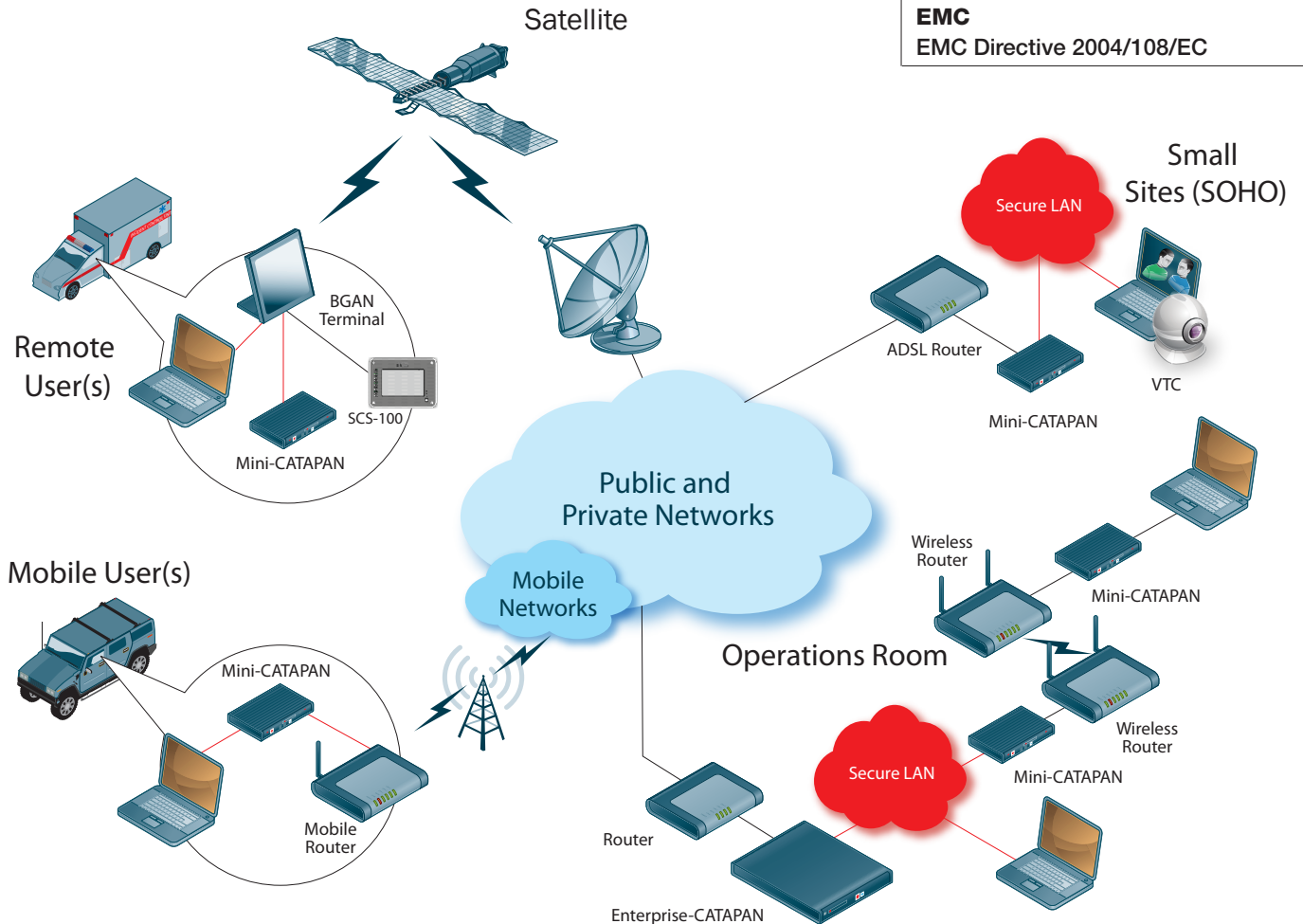
Environmental

Operating temperature

0 - 50°C

EMC

EMC Directive 2004/108/EC



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