Enterprise-CATAPAN

1Gbps & 10Gbps UK High Grade S and TS IP Encryption Device

Key Features

- Simultaneous PRIME and HAIPE stack for ease of transition
- High Grade S and TS in-field re-configurable platform
- High bandwidth strategic deployment
- NPM ACCSEC when non-operational
- 1Gbps/10Gbps duplex throughput
- High speed, low latency
- Easy to configure
- Remote key management

Enterprise-CATAPAN is a strategic encryption device which assures the highest levels of security and functionality at the fastest speed available.

Designed as a high-speed encryption solution, Enterprise-CATAPAN is ideal for secure data centre connectivity, where bandwidth requirements call for a high performance solution. Enterprise-CATAPAN can also be deployed as a strategic partner for Mini-CATAPAN, offering an interoperable, agile gateway solution that can be used in conjunction with tactical systems.

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

L-3 TRL has over a decade of experience in developing and supporting sophisticated encryption devices for UK government agencies and commercial service providers.

Enterprise-CATAPAN has 200 manual security associations with an additional 800 PRIME security associations, supporting existing operations but also enabling PRIME connectivity. Users can migrate from HAIPE to PRIME architectures with minimal disruption.

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

- Fully PRIME certified
- UK Traffic Protection Algorithms
- Exportable variant available
- Fully interoperable with Mini-CATAPAN and Mini-CATAPAN Lite

Approvals

- ADS approved

Classification

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

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: 2U high, 425mm deep, 19” rack wide
- Weight: <10kg
- Power consumption: ~100 Watts
- Power supply: Dual redundant 90-260v ac
- Speed: 1Gbps and 10Gbps duplex throughput
  * depending on packet size

Maintenance

- Cooling fans and power supply units can be changed/replaced without compromising the integrity of the crypto module

Interfaces

- Physical interface: GbE and 10GbE support via pluggable 1Gbps SFP, 10Gbps SFP+ with jumbo frame support

Management

- Local and remote management
  - Standards based using SNMPv3
  - Supplied with CATAPAN Device Manager (for all current products)

Environmental

- Operating range: 0 - 40°C
- Storage range: -10 to +65°C
- Tempest: TEMPEST Standard SDIP-27 Level A

L-3 TRL reserves the right to amend specifications in the light of continuing development.

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