

CATAPAN™: HIGH-GRADE INFORMATION ASSURANCE AND RESILIENCE

**Securing the country's most sensitive data,
networks and assets**

CATAPAN is a high-grade information resilience solution that provides the most effective line of defence to counter the growing threat and evolving nature of cyber attacks, whilst giving the freedom and flexibility to operate without constraint.

CYBER ATTACK: A CLEAR AND PRESENT DANGER

Public networks are essential arteries, carrying the lifeblood of data and communications for governments, agencies and enterprises. As we all adopt cloud services and other advances in information technology, we step closer to the danger of cyber attacks and the very real threat of a hack with significant security, financial or reputational implications.

Whether the enemy is state sponsored actors, ransomware criminals or aggrieved individuals, there is a clear and present need to ensure the confidentiality and integrity of data whilst giving the freedom and flexibility to operate without constraint.

CATAPAN: SECURITY AT THE HIGHEST LEVEL

At the heart of the protection of our nation's critical infrastructure and sensitive communications to Secret

and Top Secret level is hardware-based encryption; the process of encoding data so that only intended parties can read it.

It is recognised as the most reliable way to ensure the confidentiality, integrity, and availability of data, networks and assets. CATAPAN is at the heart of delivering resilient solutions to meet that requirement.

The CATAPAN family offers a fully integrated, interoperable range of solutions to provide secure, high-grade encryption for every type of scenario, from in-theatre operations to cross-government communications.

CATAPAN is best-in-breed for data in transit and key management — the most effective line of defence to counter the growing threat and evolving nature of cyber attacks.

RESPONSIVE SOLUTIONS NOW AND IN THE FUTURE

CATAPAN encryption solutions provide end-to-end protection of traffic across public and private IP networks, ensuring the confidentiality, integrity and availability of your data, assets and infrastructure both now and in the future.

HIGH-GRADE NETWORK SOLUTIONS

Key benefits:

- > Data protection without network performance penalties
- > Enables the creation of powerful and secure networks with reduced downtime
- > Agile network security with the flexibility to adapt to future needs
- > Enhanced capability designed to work across a multitude of networks



SECURING DATA IN TRANSIT

AWARD-WINNING CAPABILITIES

In an astonishingly short timespan the threat of cyber attack has accelerated from distant possibility, through to viable concern, to an everyday reality.

In an insecure world, CATAPAN's award-winning capabilities restore security and trust in data in transit. From single-link encryption to multi-location network protection, and whether it be for enterprise, deployable or mobile applications, CATAPAN means the end-to-end protection of your data across public networks is assured.

> CATAPAN delivers data protection without network performance penalties — on the surface network traffic flows as normal, while crucial data is seamlessly secured in the background. With up to 100 Gbps full-duplex throughput, performance is sustained regardless of processing loads, with essentially zero latency.

- > As the first to market for PRIME certified crypto devices, our experience results in easier deployment into different infrastructures, and speeds up the migration of legacy standards to reduce downtime and enable the creation of powerful and secure networks.
- > From high-speed strategic deployment to tactical or secure home working, CATAPAN provides agile network security with the flexibility to adapt to future needs, including the updating of legacy secure voice systems.
- > Where there are bespoke requirements, CATAPAN can be easily embedded into systems, allowing a multitude of platforms to be enhanced with the security to operate without constraint.



A CRYPTO FOR EVERY SCENARIO

CATAPAN delivers security across public and private networks, from the strategic or enterprise down to the highly tactical and mobile, integrating sophisticated encryption technologies to deliver network security solutions that support your own communication needs.

CATAPAN SYMMETRIC KEY TRANSFER (SKT) CAPABILITY

L3Harris remains one step ahead with CATAPAN SKT. Eliminating the need for incumbent sensitive hardware through Over-The-Network Keying and enhanced key management, CATAPAN SKT eradicates operational risks while vastly improving mission agility.

TODAY'S MISSION

Currently, managing sensitive data is challenging and incurs a lot of cost, time, resources and security. It also lacks agility in its infrastructure deployment.

Key fill needs to be completed every 12 months, at the deployed units — meaning that the keys need to be at the units or the units need to get back to the location where the keys are. Security implications need to be considered: loss, theft and damage en-route.

As a result, mission response times are impacted and lots of different processes and procedures need to take place in order to respond accordingly.

FUTUREPROOF ENCRYPTION

For decades L3Harris has provided high-grade encryption to our customers and partners through our robust and reliable CATAPAN solutions and services. Built upon the same renowned principles as our original CATAPAN products, the next generation of CATAPAN solutions and services aims to revolutionise key delivery and management across the wider mission.

Comprising of two logical component types — a Symmetric Key Manager (SKM) and Key Agents (KAs) — CATAPAN SKT can manage networks at the cryptographic layer using inherent flexibility of key media.

The requirement for creation, storage, delivery and destruction of physical key media is eliminated, vastly reducing costs, delays and risks. These savings can be reinvested where it really matters, enabling improved mission effectiveness.

HIGH-GRADE CRYPT KEY SOLUTIONS

Whether an attack is launched by cyber criminals or cyber terrorists and whether the target is a nation state's secret or a small business database, encryption is the single most effective solution to safeguard the data you value.

10,000+ LOCATIONS PROTECTED

A rapidly-changing cyber environment also demands responsiveness on our part. Bespoke or customised solutions are increasingly needed, and we work to ensure all CATAPAN solutions are tailored to specific customer operational environments.

We also work with a host of companies, from SMEs to multi-national organisations to extend and enhance the capabilities of the CATAPAN portfolio and ensure continual support for the UK's cyber security strategy.





PARTNER OF CHOICE

We design, develop and deliver advanced electronic systems for the protection of people, infrastructure and assets when and where it matters.

We create scalable solutions by investing in innovation and delivering excellence. Working in partnership with civil and defence organisations, we defend against evolving and emerging threats worldwide.

As part of the leading U.S. defence supplier, L3Harris, we are resourced to anticipate and support our customers' evolving needs, staying one step ahead of the threat in a changing environment.

Our flexibility comes largely from the fact that we have retained the ethos of a smaller company, where relationship building is paramount.

The long-term customer, industry and in-country partnerships we develop pay huge dividends in terms of trust, responsiveness and our understanding of key issues.

These strong partnerships are a testament to the quality of our people applying their in-depth market knowledge and technical experience in order to understand our customers' requirements.

20+ YEARS OF HIGH-GRADE INFORMATION ASSURANCE AND RESILIENCE

We distinguish ourselves in the cyber security marketplace with:

- > Over two decades of experience in high-grade encryption
- > Long-standing relationships with UK Government and commercial agencies
- > Award-winning products
- > Robust hardware solutions
- > Full support of deployed devices
- > SWaP and performance



CATAPAN

Securing the country's most sensitive data, networks and assets

CATAPAN: High-Grade Information Assurance and Resilience

© 2024 L3Harris Technologies, Inc. | 10/2024 | L26977

NON-EXPORT CONTROLLED: THIS DOCUMENT CONSISTS OF INFORMATION THAT IS NOT DEFINED AS CONTROLLED TECHNICAL DATA UNDER ITAR PART 120.33 OR TECHNOLOGY UNDER EAR PART 772.

L3Harris Technologies is the Trusted Disruptor in the defense industry. With customers' mission-critical needs always in mind, our employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains in the interest of national security. Visit [L3Harris.com](https://www.L3Harris.com) for more information.



Spectra House, Shannon Way
Tewkesbury, Gloucestershire GL20 8GB
United Kingdom

[L3Harris.com](https://www.L3Harris.com)