CN7000

Coming Soon

Network Encryptor

THALES

Building a future we can all trust

THE FUTURE OF SECURE, IN-THE-FIELD ENCRYPTED COMMUNICATIONS

Agility Meets Versatility

Operational agility is synonymous with defense superiority. Similarly, secure communications agility is essential to defense operations success. Now, Thales CN7000 Network Encryptors take crypto and platform agility to the next level, providing versatile communications security in-the-field.

CN7000 - Platform Agile High Speed Encryptor

The Thales CN7000 Series high speed encryption platform provides platform agnostic network encryption. The CN7000 delivers the most versatile secure network communications - from certified encrypted infrastructure to the last mile in the field.

Like defense missions, The CN7000 is uniquely agile. It provides the versatility of secure FIPS certified* encryption operating systm deployment on a range of pre-validated commercial off-the-shelf hardware.

With the CN7000 platform, you can tailor your solution to be as rugged, responsive, and resilient as your in-the-field operations demand.

Network Agile

Secure connectivity across diverse networks is essential. That's why CN7000 supports all modern networks seamlessly. Whether your mission is land, air, or sea, the CN7000 ensures consistent, reliable and secure network performance. Protect any type of traffic over any type of network.

Secure Versatility is Our Mantra

Thales is trusted to protect the world's most sensitive data. CN7000's versatility now provides a defense strategic advantage in the field. We adapt our encryption platform to your mission – not the other way around.

Crypto Agile

Evolving threats demand evolving defenses. The CN7000 is fully crypto-agile and adapts swiftly to new cryptographic challenges, safeguarding your communications against both current and future threats. The CN7000 is quantum-resistant and enables crypto customization.

Using a bring your own hardware strategy, customers may develop and load their own encryption algorithms and entropy.

Crypto-agility ensures a future-proof investment and the responsive deployment of next-gen or custom algorithms.

TRUSTED SECURITY
Quantum Resistant
Built to FIPS & Common
Criteria Certifications

MAXIMUM PERFORMANCE
Superior Bandwidth
& Overhead
Performance**

OPTIMAL FLEXIBILITY
Bump in the Wire
Simplicity & Supports
all Modern Networks

In-vehicle Encryptor
-40°C to 70°C Fanless

Rack Mount
Enterprise Hub

Industrial Control
Edge encryption

Milspec - Extremely Rugged
IP67 Waterproof and Dustproof

* FIPS 140-3 Certification in process
** Compared to IPSec and other legacy software encryption solutions.

High Assurance

CN7000 uses state of the art zero-touch key management and end-to-end encryption. And, it uses authenticated standards-based encryption algorithms with X.509 certificate-based authentication or NIST approved derived keys for simplified key management.

Best Performance

The CN7000 is purpose built for next generation access networks and protects data at rates up to 10 Gbps. Using a DPDK accelerated packet processing engine and built-in encryption acceleration; the CN7000 encrypts data in real-time and ensures low latency across all packet sizes for optimal performance

Versatile & Simple

The CN7000 is equipped with Transport Independent Mode (TIM), that allows encryption over any network (e.g. layers 2, layer 3 and 4). TIM allows for easy movement between layers, and meets the requirements for quantum resistant security, near-zero jitter and latency at up to 98% network efficiency.

TIM offers tunnel-less encryption, eliminating the complexity of legacy encryption and providing the CN7000 with up to 10 Gbps full line rate transparent encryption for all voice, video and data communications moving across the Internet and metro or wide area service provider networks.

Globally Certified

Preferred by the world's most secure organizations, the CN7000 is built to Common Criteria and FIPS certification requirements.

Thales high-assurance network encryptors provide state-of-the-art cryptography and encryption key management meeting the broadest range of international certification standards.

Low Cost, High Efficiency

Set and forget simplicity and transparency ensure ease of implementation, operation and management.

The CN7000 is easily managed through a simple-to-use encryptor management application with local and remote access capabilities, that provides users with centralized, comprehensive and intuitive management functionality.

About Thales

Today's businesses and governments depend on the cloud, data and software to deliver trusted digital services. That is why the most recognized brands and organizations around the world, rely on Thales to help them protect sensitive information and software wherever it is created, stored or accessed – from the cloud and data centers to devices and across networks. As the global leader in data security, identity & access management, and software licensing, our solutions enable organizations to move to the cloud securely, achieve compliance with confidence, create more value from their software and deliver seamless digital experiences for millions of consumers every day.