Product Brief

THALES
Building a future we can all trust

Thales CN700 Series Network Encryptors

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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 system 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 TCT is trusted to protect the U.S. Federal Government'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
-40C to 70C Fanless

Rack Mount
Enterprise Hub

Industrial Control
Edge encryption

Milspec - Extremely Rugged
IP67 Waterproof and Dustproof

** Compared to IPSec and other 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 Trusted Cyber Technologies

Thales Trusted Cyber Technologies, a business area of Thales Defense & Security, Inc., is a trusted, U.S. provider of cybersecurity solutions dedicated to U.S. Government. We protect the government's most vital data from the core to the cloud to the edge with a unified approach to data protection. Our solutions reduce the risks associated with the most critical attack vectors and address the government's most stringent encryption, key management, and access control requirements.

For more information, visit www.thalestct.com

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