CELEBRATING 25

SENETAS
CypherNET
CN7000

We have extended our range to
extend your range

THE FUTURE OF SECURE IN-THE-FIELD ENCRYPTED COMMUNICATIONS

AGILITY MEETS VERSATILITY

Operational agility is synonymous with defence superiority. Similarly, secure communications agility is essential to defence operations success. Now Senetas takes crypto and platform agility to provide versatile communications security in-the-field.

CYRPTO AGILE

The CN7000 takes Senetas's trusted certified network encryption platform that critical last mile.

Evolving threats demand evolving defences. Our systems crypto agility adapts swiftly to new cryptographic challenges, safeguarding your communications against both current and future threats. CN7000 encryptors are Quantum resistant and enable crypto customisation.

NETWORK AGILE

Secure connectivity across diverse networks is essential. That's why CypherNET encryptors support 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.

PLATFORM AGILE

Like defence missions, the CypherNET network encryption platform is uniquely agile. Now the CN7000 provides the versatility of secure FIPS certified* encryption OS deployment on a range of pre-validated COTS hardware. Tailor your solution to be as rugged, responsive, and resilient as your in-the-field operations demand.

SECURE VERSATILITY IS OUR MANTRA

Senetas is trusted to protect the world's most sensitive data. CypherNET's versatility now provides a defence strategic edvantage in the field. We adapt our encryption platform to your mission — not the other way around.

SECURE TODAY, PREPARED FOR TOMORROW

Senetas CypherNET now delivers the most versatile secure network communications - from certified encrypted infrastructure to the last mile in-the-field.

* FIPS 140-3 Certification in process

SENETAS
SECURITY WITHOUT COMPROMISE

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SENETAS

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

HIGH ASSURANCE

The CN7000 is a purpose built high-speed dedicated encryption platform. It uses state of the art zero-touch key management and end-to-end encryption.

CN7000 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 10Gbps.

The CN7000 encrypts data in real-time and ensures low latency across all packet sizes for optimal performance.

VERSATILE & SIMPLE

Senetas CypherNET encryptors are equipped with Transport Independent Mode (TIM), a new approach 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 10Gbps 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 CERITIFIED

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

Senetas high-assurance network encryptors provide state-of-the-art cryptography and encryption key management meeting the broadest range of international certification standards.
• Common Criteria (international)
• FIPS 140-2 (USA)

CRYPTO-AGILE

CN7000 is fully crypto-agile. It enables Quantum resistant encryption ensuring today's long-life data is protected against future Quantum computing threats.

Using the Cipher Software Development Kit, 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.

LOW COST, HIGH EFFICIENCY

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

CN7000 is easily managed through a simple to use encryptor management application (Cypher Manager CM7), with local and remote access capabilities, that provides users with centralised, comprehensive and intuitive management functionality.

* Compared to IPSec and other software encryption solutions.