CN6110

SENETAS

High-speed encryption built for critical networks

CN6110 is a next-generation 10Gb network encryptor for organisations migrating from CN6100 or upgrading to high-speed, high assurance encryption. It protects sensitive data in motion without compromising performance or requiring major architecture changes.

Product highlights



10Gb encrypted throughput

Hardware-based encryption for demanding enterprise, government and defence networks.



Transparent protection

Protects data in motion without major network redesign.



Reduced attack exposure

Data ports can operate without an IP address to reduce discoverability.



Transport Independent Mode

Tunnel-free, policy-based encryption across Layers 2, 3 and 4.



Operational Agility

CM7 management simplifies configuration and monitoring.



Practical migration

Interoperability supports staged migration from existing CN Series.

Built for crypto, network and platform agility



Crypto agility

Designed to support evolving cryptographic requirements.



Network agility

Efficient encryption across Layers 2, 3 and 4.



Platform agility

Flexible deployment across critical network environments.

Key specifications

MAXIMUM SPEED

- Up to 10Gbps encrypted throughput
- 1G/10G capability

PHYSICAL INTERFACES

- One physical encryption channel
- RJ45 and SFP+ interface support
- Two SFP+ transceivers
- Front-panel access for all interfaces

NETWORKING AND TOPOLOGY

- Encrypts unicast, multicast and broadcast traffic
- Protocol and application transparent
- Jumbo frame support
- Point-to-point, hub-and-spoke and mesh topologies
- Automatic network discovery and connection establishment

PERFORMANCE

- Low-overhead, full-duplex, line-rate encryption
- Ultra-low latency
- FPGA-based cut-through architecture

SECURITY

- AES-128 and AES-256 encryption
- CFB, CTR and GCM modes
- Automatic and self-healing key management
- Flexible encryption policy engine
- Designed for future cryptographic requirements

MANAGEMENT

- Centralised configuration using Senetas CM7
- Remote management via SNMPv3
- In-field firmware upgrades

RELIABILITY

- Dual swappable AC or DC power supplies
- User-replaceable fans and battery module
- Tamper-resistant and tamper-evident enclosure
- Anti-probing barriers

INTEROPERABILITY AND CERTIFICATIONS

- FIPS 140-3 Level 3 certified
- Common Criteria certification EAL4+ (in process)
- Interoperable with CN and CV Series encryptors

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Senetas Corporation Limited
312 Kings Way, South Melbourne, VIC 3205, Australia | **T** +61 03 9868 4555 | **E** info@senetas.com | ABN 33 006 067 607