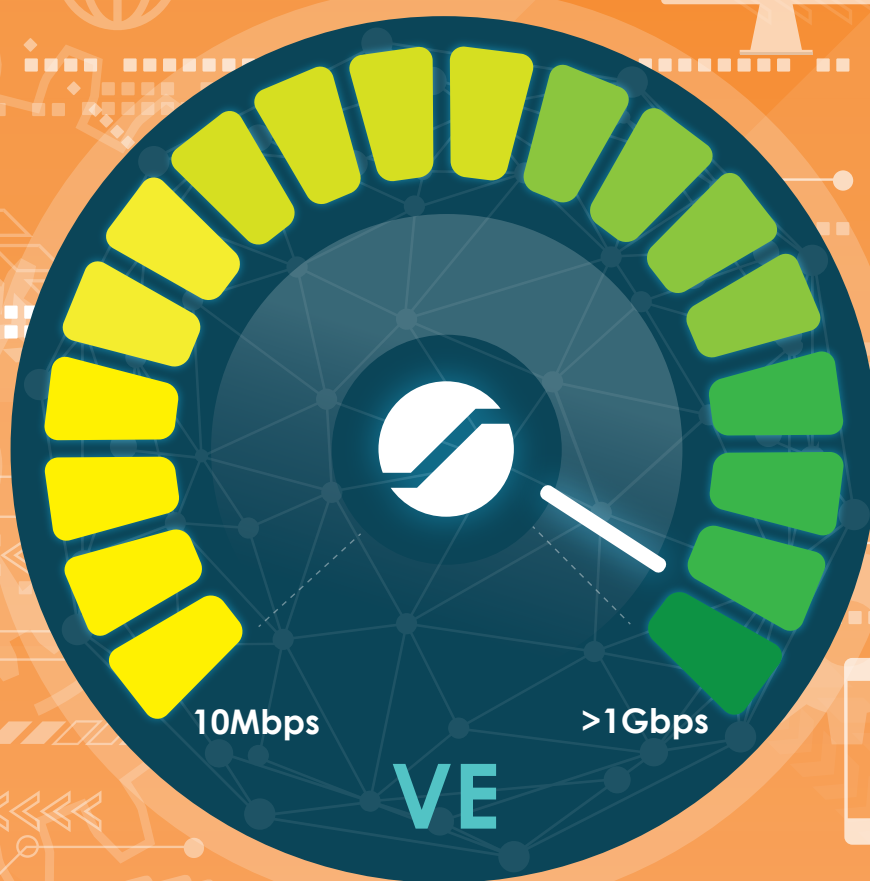


SENETAS CV1000 SPECIFICATIONS VIRTUALISED ENCRYPTION, REAL-WORLD SECURITY & PERFORMANCE



>1Gbps encryption for
large-scale virtualised WAN

SENETAS CV1000 SPECIFICATIONS

SPECIFICATIONS & FEATURES	CV1000 (Software Version: v5.0.1)
Virtual Network Function (VNF) - Hosting Guide	
Network data encryptor type and topologies ¹	Transport Layer agnostic VNF virtualised encryption for large-scale networks (x86 hosted VNF).
Transport Independent Mode	Concurrent, multi-Layer encryption (Layer 2, 3 and 4)
Bandwidth / performance ²	>1Gbps.
Performance acceleration (optional) ²	Supports DPDK Intel Library for up to 5Gbps performance.
Virtual appliance (min. recommended)	4x CPU, 4GB RAM (without DPDK) 2GB ³ virtual disk storage 3x CPU, 2GB RAM (with DPDK) 2GB ³ virtual disk storage
Hypervisor support	VMware, KVM, Microsoft Hyper-V. Other platforms may be supported. Contact Senetas sales engineering for further details.
CV1000 (guest) operating system	Linux Debian distribution - v9 (stretch)
Functional Specifications	
Supported topologies	Point-to-point, Multi-point, Hub and spoke, Fully meshed, Layer 2 forwarding
Interoperability	Fully interoperable with all Senetas CN Series hardware encryptors
Maximum number of connections	500+
Encryption algorithms	Symmetric cryptography: - AES-128, AES-256, CFB or CTR modes Asymmetric cryptography: - ECC-512 - RSA-2048
Policy based encryption	- MAC address - VLAN ID
Crypto-agility	Support for custom curves, custom algorithms and BYO entropy
Authentication	Certificate based (X.509)
In-band/out-of-band management	- Console Command Line Interface (CLI) - SSH - TACACS+ - SNMPv3
Virtualised network interfaces	- Eth0 – Management port - Eth1 – Local port - Eth2 - Network port - Eth3 - Aux management port (optional)
Virtualised hosting environment	Supports: - KVM/QEMU - VMware - Microsoft Hyper-V
CV1000 management application	Senetas CM7 - Included
Centralised key server support	Optional support for SafeNet KeySecure - centralised cryptographic key management solution (master key security and random number generation) ⁴
Certificate-based CV1000 software licensing model	Flexible model choice: - Perpetual - Subscription ⁵ Excludes host hardware and hypervisor

¹ For virtual (Ethernet) transport

² Customer environment, hardware platform and x86 host configuration dependent (DPDK optional)

³ Subject to image storage requirements

⁴ KeySecure provides additional customer benefits. See SafeNet KeySecure website for details

⁵ Payable monthly, dependent upon number of instances

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Asia Pacific Region T: +65 8307 3540 E: infoasia@senetas.com

Australia and New Zealand T: +61(03) 9868 4555 E: infoanz@senetas.com

Europe, Middle East & Africa T: +44 (0)1256 345 599 E: info@senetas-europe.com

North and Central America T: +1 949 436 0509 E: infousa@senetas.com

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