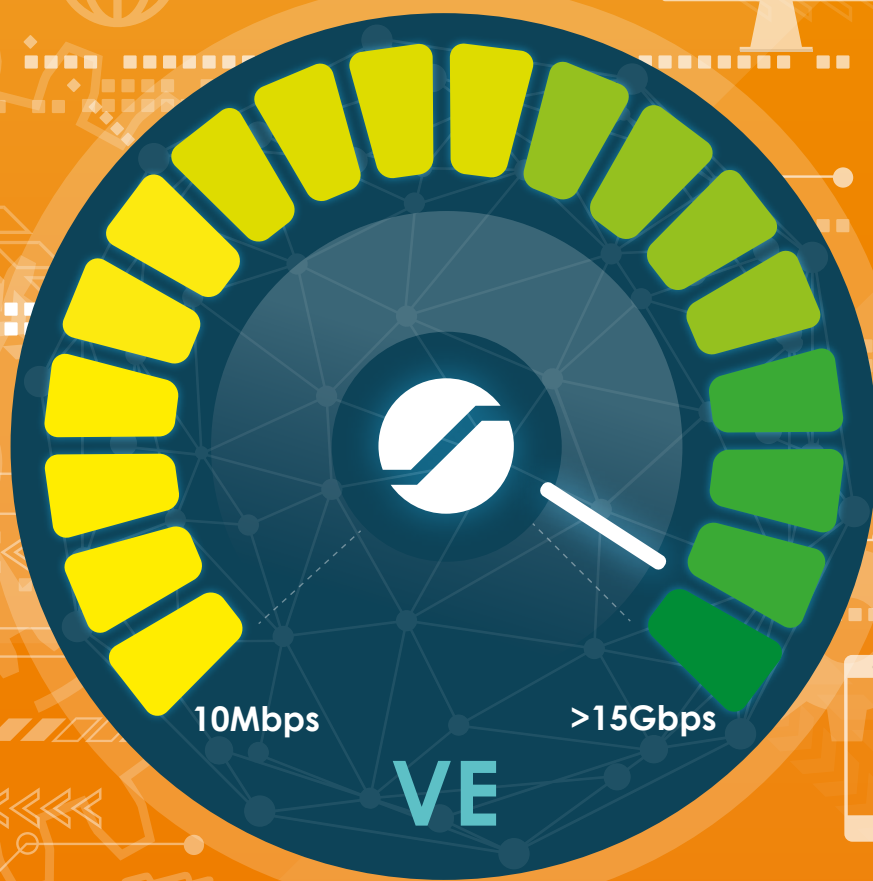


# SENETAS CV1000 SPECIFICATIONS VIRTUALISED ENCRYPTION, REAL-WORLD SECURITY & PERFORMANCE



>15Gbps 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                      | Transport Layer agnostic VNF encryption (x86 hosted).   |
| Network Independent Encryption                   | Concurrent, multi-Layer encryption (Layer 2, 3 and 4)   |
| Bandwidth / performance <sup>2</sup>             | >1Gbps.   |
| Performance acceleration (optional) <sup>2</sup> | Supports DPDK Intel Library for up to 15Gbps performance.   |
| Virtual appliance (min. recommended)             | 4x CPU, 4GB RAM (without DPDK) 2GB <sup>3</sup> virtual disk storage<br>3x CPU, 2GB RAM (with DPDK) 2GB <sup>3</sup> virtual disk storage |
| CV1000 (guest) operating system                  | Linux Debian distribution - v9 (stretch)  |
| Functional Specifications                        |   |
| Supported topologies                             | Point-to-Point, Point-to-Multipoint & Multipoint-to-Multipoint Layer 2 forwarding   |
| Interoperability                                 | Fully interoperable with all Senetas CN Series hardware encryptors  |
| Maximum number of connections                    | 500+  |
| Encryption algorithms                            | Symmetric cryptography:<br>- AES-128, AES-256, CFB or CTR modes<br>Asymmetric cryptography:<br>- ECC-512<br>- RSA-2048                    |
| Policy based encryption                          | - MAC address<br>- 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)<br>- SSH<br>- TACACS+<br>- SNMPv3  |
| Virtualised network interfaces                   | - Eth0 – Management port<br>- Eth1 – Local port<br>- Eth2 - Network port<br>- Eth3 - Aux management port (optional)                       |
| Virtualised hosting environment                  | Supports:<br>- KVM/QEMU<br>- VMware<br>- Microsoft Hyper-V  |
| CV1000 management application                    | Senetas CM7 - Included  |
| Centralised key server support                   | Optional support for SafeNet KeySecure - centralised cryptographic key lifecycle management solution <sup>4</sup>                         |
| Certificate-based software licensing model       | Flexible model choice:<br>- Perpetual<br>- Subscription <sup>5</sup><br>Excludes host hardware and hypervisor                             |

<sup>1</sup> For virtual (Ethernet) transport

<sup>2</sup> Customer environment, hardware platform and x86 host configuration dependent (DPDK optional)

<sup>3</sup> Subject to image storage requirements

<sup>4</sup> KeySecure provides additional customer benefits. See SafeNet KeySecure website for details

<sup>5</sup> Payable monthly, dependent upon number of instances

## Regional Contacts:

|                              |                        |                            |
|------------------------------|------------------------|----------------------------|
| Asia                         | T: +65 8307 3540       | E: infoasia@senetas.com    |
| Australia & New Zealand      | T: +61 (03) 9868 4555  | E: info@senetas.com        |
| Europe, Middle East & Africa | T: +44 (0)1256 345 599 | E: info@senetas-europe.com |
| The Americas                 | T: +1 949 436 0509     | E: infousa@senetas.com     |