



FEATURES AND BENEFITS

- Interoperable with Certes Net Enforcer product family
- Encrypted throughput up to 10Gbps
- Seamless scalability
- Infrastructure neutral
- Transparent to network and applications
- Easy installation and management
- Per-frame/packet authentication

COMPREHENSIVE DATA PROTECTION

- IPsec site-to-site networks
- MPLS meshed networks
- Metro Ethernet and VPLS networks
- Voice and video over IP applications
- Internet and SDN links

CEP520

The CEP520 is a versatile and efficient 1U encryption appliance with dual power supplies, perfect for remote office and distributed enterprise-networking applications with redundancy requirements.

Certes Enforcer Appliance

PRODUCT OVERVIEW

The CEP520 is a multi-layer encryption appliance that provides data protection and application segmentation. The CEP520 integrates easily into any existing network. It operates transparently to the network infrastructure. This ensures all data is encrypted without impacting network performance.

Scalable and Secure Group Encryption

The CEP520 uses scalable group encryption to provide encrypted, authenticated, low-latency, any-to-any connectivity. Group encryption reduces deployment complexity. It provides fully meshed encryption that is easy to manage. Group encryption is compatible with highly available network designs and QoS and network monitoring tools.

Ethernet Frame Encryption

The CEP520 is compatible with Layer 2 unicast, multicast, point-to-point, and multipoint-to-multipoint topologies. The CEP also authenticates all Ethernet frames, preventing man-in-the-middle attacks.

IP Packet Encryption

The CEP520 provides full data encryption for Layer 3 IP networks using standard IPSEC packet format while preserving the original IP header. The CEP520 also uses Certes' patented Layer 4 Stealth encryption to protect the IP packet payload while preserving the original IP header and original TCP/UDP headers. This unique capability maintains network transparency, while providing strong data protection. By preserving the original header and encrypting only the payload, the CEP520 protects your data over any IP network. This includes any multi-carrier, load-balanced, or high availability network. This feature also allows network services, such as Netflow/Jflow, and Class of Service (CoS) based traffic shaping, to be maintained throughout the network.

Central Policy Management

CryptoFlow Net Creator software manages your CEP520. Creator allows your administrators to quickly and easily manage security from a central interface. Creator possesses simple yet powerful drag-and-drop policy creation capabilities. Encryption policies use IP addresses, port numbers, protocol IDs, or VLAN tags to identify traffic. You can quickly and easily change policies of any size in seconds. CryptoFlow Net Creator also provides full logging and audit capabilities.



CEP520

Certes Enforcer Appliance

PERFORMANCE

- Up to 10 Gbps *
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- * Dependent on packet size of 512 or larger

ENCRYPTION ALGORITHMS

- AES-GCM-256
- AES-CBC-256

MESSAGE AUTHENTICATION & INTEGRITY ALGORITHMS

- HMAC-SHA2-256
- HMAC-SHA2-512

ENVIRONMENTAL

- Operating Temperature: 32 to 104° F (0 to 40° C)
- Storage Temperature: -4° F to 167° F / -20° C to 80° C
- Humidity: 95% @ 40° C (non-condensing)
- Input: 100-240VAC 50-60Hz, full range, (DC) -40 – 72V, 12 – 24A
- Output: NA
- Power: 650W - redundant
- Cooling: Active – 3x system FAN with smart FAN

ACTIVE INTERFACES

- 2 x 10/100/1000
- Remote/Local/Management

ENCLOSURE

- Rack mountable (1U)
- Dimensions: 17.24" x 1.7" x 24.6" (438 x 44 x 625 mm)
- Weight: 33.07 lbs (15.0 kg)
- Shipping Dimensions: 24" x 11" x 36" (609.6 mm x 279.4 mm x 914.4 mm)
- Shipping Weight: 48.92 lbs. (22.19 kg)
- MTBF: 75,919 hours

REGULATORY

- EU WEEE
- EU RoHS-5
- UL
- FCC
- CE
- CB

PORTS

- 1 x RJ45 console
- 2 x RJ45 management
- 2 x USB
- HDMI
- 2 x SPF+ Ports

IN THE BOX

- CEP520

About Certes Networks

Certes Networks' solutions safeguard enterprise applications extended to any user or remote facility over any network. The solutions solve the broken network trust model causing the worldwide wave of data breaches. Companies and governments in nearly 100 countries around the world rely on solutions from Certes to shrink their attack surfaces and safely use low-cost network and Cloud resources with lower risk.

Learn more at CertesNetworks.com



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