EVIDEN

Trustway
IP Protect (IPSec)

Compliance and security for
your Data in Motion

Secure your sensitive networks

Industrial spying, eavesdropping, hacking... It has never been so vital to communicate securely in our connected world... And the threats have never been so great!

Security is rapidly becoming essential for a smooth functioning of your business processes and development.

Trustway IP Protect ensures a total security, from protecting you against hacking to guaranteeing confidentiality and IP flows integrity, in compliance with your enterprise safety policy.

Data encryption is ensured in real time and in total transparency for authenticated users. With Trustway IP Protect, only the appointed recipient could benefit from data sent. Data security of users becomes a priority for all CIOs. In a regulatory environment strengthened day by day in order to guarantee data confidentiality, flows encryption becomes necessary. With Trustway IP Protect, Eviden brings a highly secured solution which allows you to be compliant with strictest regulations on data protection for each business process such as GDPR, HIPAA, PCI DSS, etc.

Encryption solution adapted to your needs

Maximal scalability

High Level of Security

Plug & Play design

A range of performance levels to suit every demand

The offering is built to meet the need for scalability and presents models ranging from 4 physical ports to 16 ports ranging from 5Mbps to 10 Gbps bandwidth Encryption is applied without any significant impact on response times and bandwidth.

The highest level of security available today

Trustway IP Protect solution uses IPSec, a protocol that provides secure data transport over an IP network with guaranteed confidentiality and integrity for all data exchanged. A hundred per cent developed and produced in Europe, this offering is also Common Criteria EAL4 certified, and qualified by the French information system security agency, ANSSI (certifications ongoing).

Fast and simple implementation: a costeffective solution

« Plug & Play » design. All that is required is to connect the pre-configured Trustway IP Protect device to the remote administration station. The appliance retrieves the data for the configuration via a secure protocol and is then ready for action. Centralized management ensures cost reductions both in the implementation and running of Trustway VPN.

Trustway IP Protect

Trustway IP Protect offers the highest level of security to your networks that your business challenge and regulations require

A solution based for key generation on our Trustway Proteccio , the only HSM with the French national cybersecurity agency 's "reinforced qualification".

Trustway IP Protect (IPSec) range provides state-of-the-art security features designed to safeguard communications up to sensitive environments. Its architectural design not only meets the most rigorous international standards but also ensures the highest level of confidentiality in protecting network communications.

Coupled with the centralized management infrastructure, the on-the-fly encryption of IP communications allows an easy, effective and scalable implementation to secure flows close to sensitive data.

Based on a crypto module developed in France, Trustway IP Protect offers advanced certified security, ease of deployment and leading-edge performances.

Characteristics

Protocols

- IP (TCP, UDP, ICMP...)
- IPsec
- IKE
- IPSec DR

Performances

- 5Mbit/s to 10Gbit/s

Algorithms

- Encryption: AES 256bits
- Post-Quantum Encryption by 2024

Interfaces

- IP 10/100/1000 Base-T Ethernet ports and optic 10Gb

Certifications

Qualification is the French government's recommendation of proven cybersecurity products or services approved by French national cybersecurity agency (ANSSI). There are 3 levels of qualification, the highest being the "reinforced qualification", based on the CC EAL4+ evaluation. Today, Trustway has the only hardware security module with the ANSSI "reinforced qualification" making it the most secure in the world.

ANSSI QS
Ongoing

CC ELA$_4$
Ongoing

Trustway IP Protect features

Administration	Personalization	Audit

Technical Domain manager (TDM)

Centralized workstation which allows administrating and monitoring all network VPN devices. One person must have central skills in administration to limit costs. · Thanks to the TDM, no need for gathering local teams. It allows you to reduce costs in implementation. (division of roles between CIO on TDM and Security Officer on SPC).

Customer personalization Station (SPC)

Independent and flexible workstation. One person can be in charge of it on another site than the one in charge of the administration part. (Division of roles between CIO on TDM and Security Officer on SPC). It generates the secrets for the administrative dialogue between TDM and IP Protect and the certificates to personalize the IP Protect by placing the certificate on it via a USB key.

SPC use a Trustway Proteccio to generate secrets.

Trustway Audit Manager (TAM)

Audits and supervision of the security policy implemented on the network. Security audits in real time to ensure that the security policy defined by the organization is being properly respected by the operator.

High-Availability (HA)

Up to 10,000 Trustway encryption devices can be supported within one or a number of cryptographic domains.
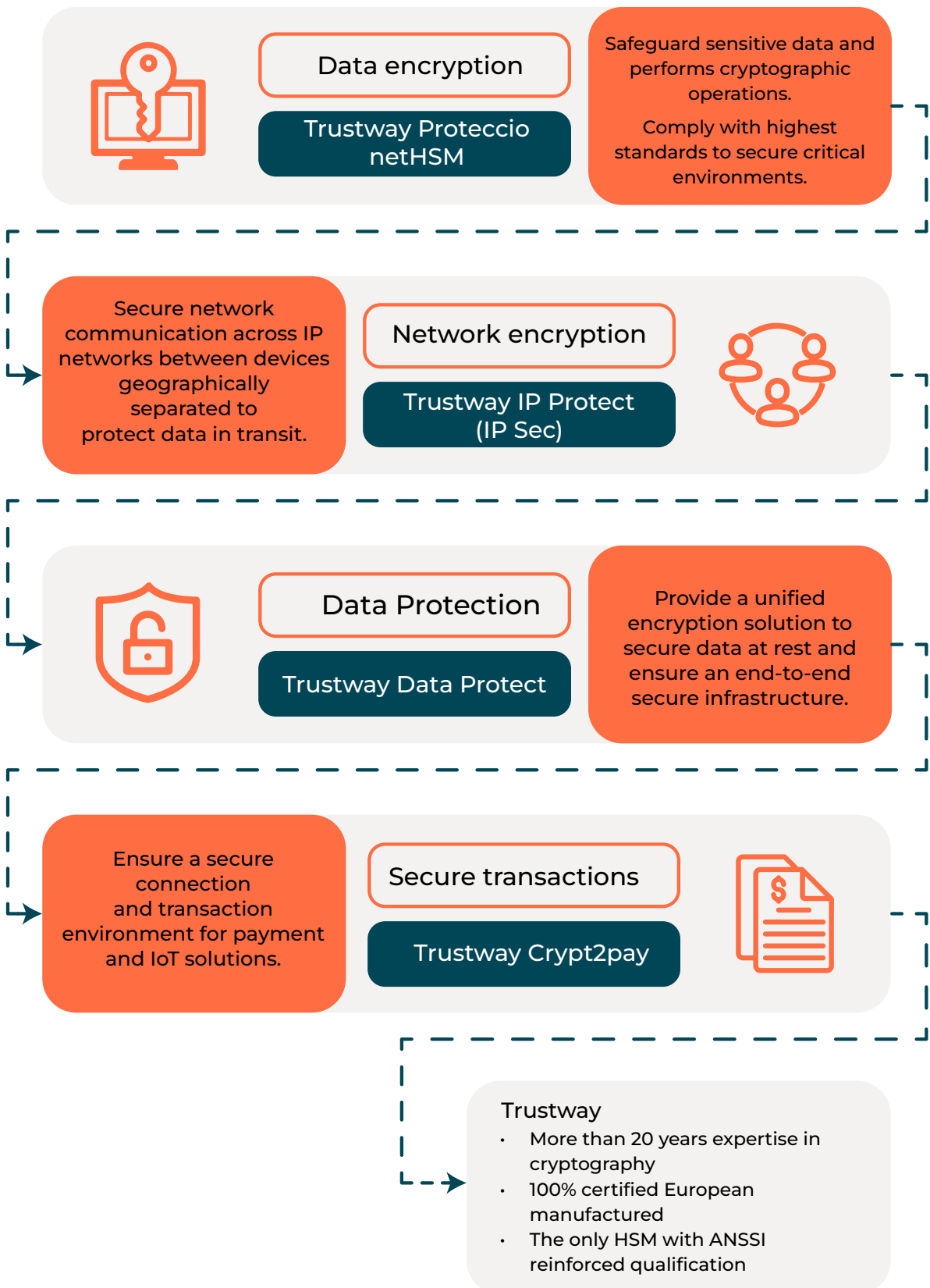
VPN Solutions options

VPN software Client

Security for mobile users

Trustway VPN Client is a software component for PCs that provides a secure link for mobile users, so they can freely exchange data securely with their organization. This architecture is designed so it can equip mobile user workstations with the VPN Client application in order to secure the flows exchanged with remote sites, which are protected by IP Protect.

> A 100% developed and produced in Europe, also Common Criteria EAL4 (certification ongoing), and qualified by the French information system security agency (ANSSI), Trustway IP Protect offers you effective protection against the risks associated with industrial espionage and intrusion to IT infrastructures. Trustway IP Protect is implemented on numerous sites of sensitive governmental organizations.

Trustway Data Protection solutions

Data encryption

Trustway Proteccio netHSM

Safeguard sensitive data and performs cryptographic operations.

Comply with highest standards to secure critical environments.

Secure network communication across IP networks between devices geographically separated to protect data in transit.

Network encryption

Trustway IP Protect (IP Sec)

Data Protection

Trustway Data Protect

Provide a unified encryption solution to secure data at rest and ensure an end-to-end secure infrastructure.

Ensure a secure connection and transaction environment for payment and IoT solutions.

Secure transactions

Trustway Crypt2pay

Trustway
- More than 20 years expertise in cryptography
- 100% certified European manufactured
- The only HSM with ANSSI reinforced qualification

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