

CryptoGuard

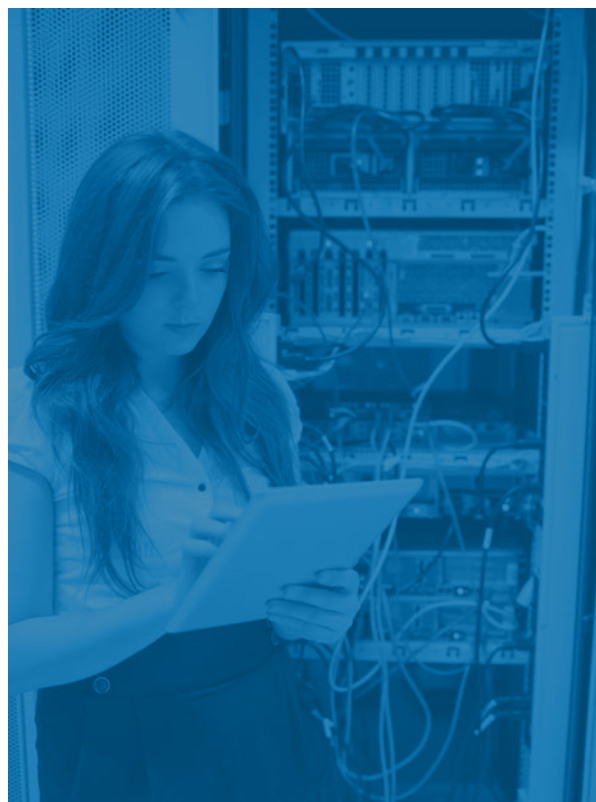


Did you ever worry about your data transport?
Is the data connection between your offices secured?

CryptoGuard is the solution for a secure connection between datacenters, mobile, industrial and office environments around the globe.

Simple integration and management, complete product family, speeds of more than 100 Gbps, certified by governments, proven technology for more than two decades.

CryptoGuard has it all!



Network encryption



English

Cybersecurity with a personal touch



"Suitable for every location and network"

// CryptoGuard

On a daily basis more than 50,000 TB data are encrypted by the CryptoGuard solution. The CryptoGuard is a certified line and network encryption solution with throughputs of more than 100 Gbps and unlimited sessions. Due to the unique CryptoGuard modus the encryption is post-quantum proof with very low latency (<millisecond) and acts like a transparent black box.

The CryptoGuard is managed from a central location via the extended management system. For over two decades CryptoGuards have been used by multiple European governmental organisations to encrypt their data. The complete product family is certified by the European Union, NATO and the Dutch government on the restricted level. The systems are 100% developed and built in Europe.



High-end IP, video & data encryption



Complete product family



Layer 2, 3 and 4 encryption



IPsec & unique CryptoGuard modus



Speed of 100 Gbps+



Unlimited sessions



Certified NL, EU & NATO



Post-quantum proof



100% developed and build in Europe



*"For every location
a suitable model"*

// CryptoGuard familie

The CryptoGuard comes in various versions in which each has its unique features. The systems are designed for vehicles, homes, production environments, datacenters and office locations. The hardware is produced in a solid case and 100% built in Europe. Every single product goes through a quality assurance phase which is subject to a long-term test.

Did you know that the CryptoGuard family is already in its sixth generation? In the 90's it started with 1 Mbps line encrypters, while nowadays the encrypters go up to 100 Gbps and above. A few customers are still running the 15-year old third generation systems.



CryptoGuard 600

- Throughput 100 Mbps
- Fanless

Suitable for vehicles
and mobile sites



CryptoGuard 6000

- Throughput 100 Mbps
- Fanless
- 1 HE, 19" rack size

Suitable for Small office sites



CryptoGuard 6500

- Throughput 500 Mbps
- 1 HE, 19" rack size

Suitable for Medium office sites



CryptoGuard 6800

- Throughput 1 Gbps
- 2 HE, 19" rack size

Suitable for medium to
large office sites



CompuCrypt XL

- Throughput 10 – 100+ Gbps
- 2 HE, 19" rack size

Suitable for Large office sites



CryptoGuard mobile unit

- CryptoGuard 600 including routers and all necessary cables in a solid case

Suitable for Ad-hoc events,
emergency sites



*"Unique
protocol with
unprecedented
advantages"*

// CryptoGuard modus

Besides IPsec, Compumatica has developed its own unique protocol, the CryptoGuard modus. This modus offers many advantages in comparison with IPsec and other encryption protocols. As the CryptoGuard is based on symmetric encryption, the solution is post-quantum proof.

The key features of the CryptoGuard modus are; negligible latency (<millisecond), no increase in data packages, class of service stays. The CryptoGuard modus brings not only more security, but is up to 3 times as efficient as other protocols such as IPsec.



Post-quantum
proof



AES with a key
length of 256 bits



Layer 2, 3 and 4
encryption



Class of
service



Perfect for satelliet
environments



Negligible
latency



3x as
efficient



Compatible
with IPsec



Seamless integration
in existing networks



*"Easy to integrate,
manage and use"*

// Security Management Station (SMS)

The CryptoGuard's are centrally managed by the central Security Management System (SMS). The incredibly user-friendly SMS is the heart of the CryptoGuard solution and manages all the key materials of all CryptoGuard systems from one central location. Because of this, expertise, management and maintenance on location are not required.

Due to the extended SMS, organisations can reduce management costs by up to 300% in comparison with other encryption solutions. The SMS system is both very secure and efficient.



Extended key
management



Easy to
manage



Seamless integration
in existing network



Central management
of all CryptoGuard's
worldwide



Push of updates/
upgrades



Extended
logging



Redundant
possibility



Bypass
modus



Division of
roles



"Possibly the best encryption solution"

// CryptoGuard in comparison

The CryptoGuard is the state-of-the-art solution with many advantages in comparison with other solutions.

Features	CryptoGuard	VPN and IPsec
Post-quantum proof	Yes	System dependent
Class of service	Yes	No
Possibility to declassification (bypass modus)	Yes	System dependent
Packet filter Firewall	Yes	System dependent
Increase of packages	No	Up to 3x
Latency	< millisecond	Up to 10x
Migration	No influence	Big bang
Unlimited session	Yes	Limited

Central management	CryptoGuard	VPN and IPsec
Star network	Yes	Yes
Mesh network	Yes	System dependent
Redundant	Yes	System dependent
Load balancing	Yes	System dependent
Push updates/upgrades/patches	Yes	System dependent
Labour intensive	No	Up to 3x



*"Encryption on
several network
protocol layers"*

// Certified and trusted solution

The CryptoGuard solution is certified by numerous European and global governmental organisations such as the NATO, European Union and The Netherlands.

The CryptoGuard is 100% developed by Compumatica in The Netherlands and Germany and does not contain backdoors. Nobody, not even us, has access to the key material. To test this, customers are allowed to look into the source code at our headquarters.

The CryptoGuard has been used for more than two decades by multiple European governmental organisations and private companies to encrypt their confidential data. Some of them have just a few locations whereas others have more than 500+ sites.

Due to our high-quality requirements the systems could last up to 10 years and some organisations are still using the third crypto generation in their networks, which continue to communicate seamlessly with each other.



Departementaal
Vertrouwelijk
The Netherlands



Restricted
NATO



UE Restreint
European Union



Health
care



Financial
services



Government



Industry



*"The confidentiality of
your data is our
mission -
Cybersecurity with
a personal touch"*

// Compumatica

Compumatica is a Dutch cybersecurity manufacturer specialised in crypto (network encryption, e-mail encryption) and network segmentation (firewall, Diode) since 1991. The products have various security certifications from The Netherlands, European Union and NATO. All products (software and hardware) are built and developed in Europe.

Compumatica has more than 25 years' experience in the cybersecurity market. Our products are of high quality and besides security we focus on developing solutions which are easy to use and manage.

In our philosophy cybersecurity needs a tailored approach and with our slogan 'Cybersecurity with a personal touch' we promise that to our customers.

// Other solutions



E-mail
encryption



Next Generation
Firewall



Diodes