What makes TOSIBOX® so secure

The information security of TOSIBOX® products, services, and operations are officially audited. The security audit was conducted by a global independent company according to the ISAE3000 Assurance Standard and the controls and content of the audit were based on the ISO 27001:2013 standard and the OpenSAMM Software Assurance Maturity Model.

In the design of our products, we follow a set of fundamental principles that result in a superior level of security.

#1

Physical matching
It matches together, cryptographically, the physical TOSIBOX® devices, creating a trust relationship between them.

#2

Two-factor authentication
2FA means that there are two different things required for the user to authenticate and get access:

1. Something that the user has: the physical TOSIBOX® Key or a mobile device
2. Something that the user knows: the password

#3

End-to-end encryption
The VPN connection is established directly between the TOSIBOX® devices and the data can be decrypted only at the connection end points (devices). Nobody – not even Tosibox Oy – can decrypt the data in between.

#4

Patented connection method
This allows establishing connection even when both parties are behind firewalls or NATs. As a result, in TOSIBOX® devices there are no services that would be all the time listening or exposed to the Internet.

#5

Simplicity is good also for
security. In addition to making our products secure, we have put a lot of effort on making them easy to use. With fewer things for users to remember and worry about, TOSIBOX® products are practically impossible to misconfigure.

#6

TOSIBOX® products have no backdoors.
Also, Tosibox Oy does NOT retain any private keys or passwords for the products. Our technical support can access the Lock only after the user has explicitly turned on the remote support feature.

#7

Industry standard and proven technologies
such as the RSA cryptosystem, AES encryption, Diffie–Hellman key exchange and TLS sessions, are used in our products.

PATENTED CONNECTION METHOD
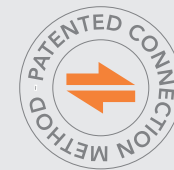
TESTED & AUDITED
ACCORDING TO ISAE 3000

TOSIBOX®

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