TOSIBOX®

TOSIBOX® Virtual Central Lock

TOSIBOX® Virtual Central Lock is an operative network for your devices and service personnel. The Virtual Central Lock turns your TOSIBOX® ecosystem into a controlled network of always-on VPN connections for remote maintenance, continuous monitoring, real-time data collection and data logging.

The Virtual Central Lock cuts centralized access management work time from days into minutes, enabling easy management of big networks without special IT skills.

Access groups
You can create access groups and add relevant members (Keys, Locks, IP addresses, network ranges or MAC addresses) by drag and drop. Members of the same access group can communicate freely, and members can belong to several access groups.

Network monitoring
You can see log data about the events of connected TOSIBOX® Locks, always tracking who were using the TOSIBOX® VPN at a certain time. The Virtual Central Lock can also be set to send email alerts for connections for any or all serialized TOSIBOX® Locks being established and closed.

Virtual LAN
Virtual Central Lock supports Virtual LANs enabling adding workstations or servers from one or more networks connected to the VCL LAN into an access group. You may have different networks defined per customer, or you may want to separate your office network from production network, and arrange remote access to these networks differently.

Unlimited expandability
TOSIBOX® Virtual Central Lock is infinitely scalable. The LITE version includes 5 VPN connections.

Advantages of TOSIBOX®

Simple
Build and manage secure IoT infrastructure in minutes

Secure
Tested & audited security
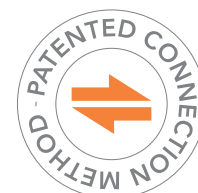
Modular
Unlimited expandability and flexibility

Timeless
Deals with legacy and future systems

Unique
Globally patented point-to-point connection

PATENTED CONNECTION METHOD

Properties

- With Virtual Central Lock and always-on VPN connections you can easily enable applications like data logging, continuous monitoring or remote maintenance.
- Possibility to collect audit log data from connected TOSIBOX® Locks
- Monitoring service for VPN connections
- Improved and scalable access management that is enterprise-ready.
- With virtual platforms, it is possible to achieve a very high level of redundancy and fault-tolerance where failover time is measured in seconds.
- Because it's virtual, it can be deployed in your office network, in leading cloud services AWS or Azure, or anywhere else where you prefer.
- Virtual Central Lock supports up to thousands concurrent VPN connections from Keys, Locks or Mobile Clients. The LITE version includes 5 VPN connections.

Technical requirements

For virtualisation platforms
- A supported virtualization platform based on one of the following:
  - VMWare ESXi
  - Microsoft Hyper-V
  - Linux KVM
- x86-64 processor architecture, two or more CPU cores
- Minimum of 2 GB of RAM
- Minimum of 5 GB of permanent storage (HDD or SSD)
- Two or more network interfaces for the virtual machine
- One non-firewalled public IP address
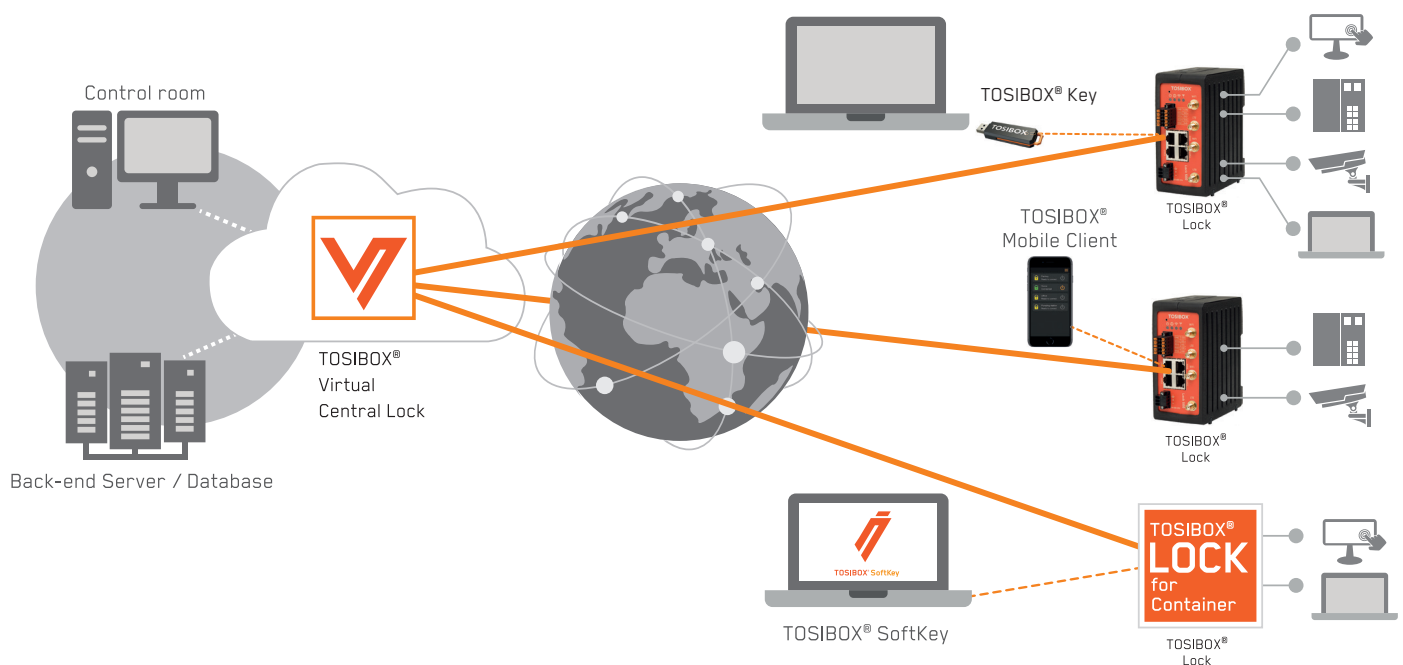- At least 10/10 Mbit/s Internet connection

For cloud platforms
- Linux / MacOS workstation to run the installer
- Azure or AWS subscription and "az" or "aws" command line tools installed
- Installation package

Product codes:
TBVCL1
TBVCL1P100 License Package required

Scalable TOSIBOX® ecosystem

Control room

TOSIBOX® Key

TOSIBOX® Mobile Client

TOSIBOX® Virtual Central Lock

Back-end Server / Database

TOSIBOX® Lock

TOSIBOX® Lock

TOSIBOX® SoftKey

TOSIBOX® LOCK for Container

TOSIBOX® Lock

TOSIBOX®
Simplifying IoT