TOSIBOX Products

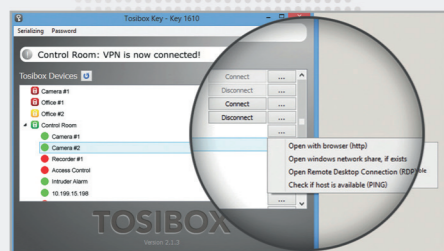## TOSIBOX® Key

TOSIBOX Key is a USB device with cryptoprocessor that enables a secureconnection between the user's computer and the Lock.

After serializing the Key with a Lock and plugging it in to the user's computer, it automatically creates a secure tunnel to the TOSIBOX Lock and the remote devices can be accessed directly.

The Key user interface shows the serialized Locks and the devices connected to them. The devices can be directly accessed (e.g. remote desktop or browser) from the Key user interface.

TOSIBOX® Key Interface utilisateur

TOSIBOX Mobile Client extends the current TOSIBOX solution to mobile devices, allowing easy and secure remote connections also from Android smartphones and tablets.

Tablet

Smartphone
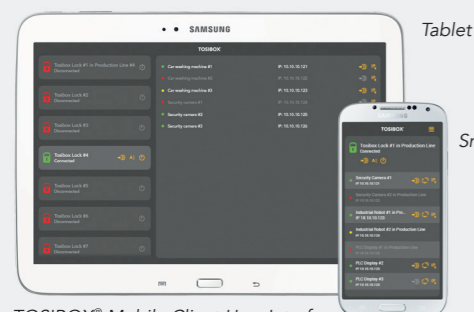
*TOSIBOX® Mobile Client User Interface*

TOSIBOX® Lock

TOSIBOX Lock is a unique network device that is the endpoint for secure remote connections. The remotely controlled devices are connected to the Lock either with a network cable or wireless LAN.

The Lock can be connected to the internet with any available connection, e.g. using an ADSL modem. Also, a 2G/3G/4G USB modem can be connected to the Lock, which enables connectivity in locations without any other internet connection.

Taking the TOSIBOX Lock into use requires no software installations or network configuration.
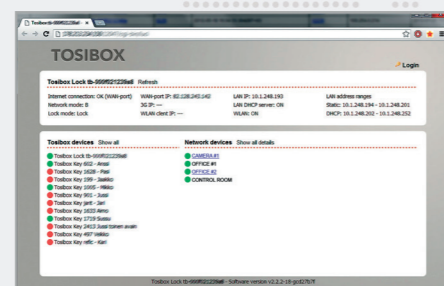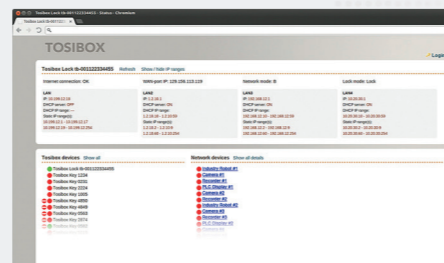

TOSIBOX Lock User Interface

TOSIBOX® Central lock

TOSIBOX Central Lock can be serialized with a large number of TOSIBOX Keys and Locks. The connected devices can be bound to four different networks.

- Over 700 Mbit/s encryption throughput
- Up to 4000 concurrent connections from Keys or Locks (1000 concurrent connections / network)
- Possibility to collect audit log data from other TOSIBOX devices
- Monitoring service for connections
- All other existing features of the TOSIBOX Lock devices are also supported

TOSIBOX Central Lock User Interface

Available Accessories

2G/3G/4G Modem

- Tosibox 3G modem (2G/3G)
- Huawei 3G USB-Modem (2G/3G)
- Huawei 4G USB-Modem (2G/3G/4G)

Modem to Antenna RF adaptor

- Adaptor to connect Antenna connector to TOSIBOX supported Huawei modems.
- Huawei E3131: CRC-9 to RP-SMA male
- Huawei E392: TS9 to RP-SMA male

Antenna for 2G/3G/4G modem

- Universal Omnidirectional Antenna
- Weatherproof
- Height 600mm
- Cable length 8m
- Product code: OMNI-A0121-V3

DIN rail mounting bracket

- Used for mounting TOSIBOX Lock into 35-mm wide Top hat DIN rail (EN 50022)
- Allows the mounting of TOSIBOX Lock into any orientation: Horizontal/vertical/inline with the rail/straight angle with the rail

TOSIBOX │ Elektroniikkatie 10, 90590 Oulu, FINLANDE │ www.tosibox.com │ help.tosibox.com

easiness with security

TOSIBOX®

EASY - QUICK - SECURE

LOCK

TOSIBOX® Lock

PATENTED CONNECTION - PATENTED CONNECTION METHOD

HARDWARE KEY
CRYPTO PROCESSOR

LOCK

SERVER

INTERNET
ENREGISTREUR
ROBOT #1
CAMERA
ADD X LOCKS
ADD X KEYS

2G/3G/4G, xDSL
FIREWALL/NAT
2G/3G/4G, xDSL
PARE-FEU/NAT
TOSIBOX LOCK - SERVEUR DHCP

REMOTE USERT
PLC DISPLAY
PRINTER.
ROBOT #2
LAPTOP
COMPUTER

LOCK, CLIENT MODE

PRINTER
SERVER
ADD X KEYS

INTERNET

2G/3G/4G, xDSL
FIREWALL/NAT
2G/3G/4G, xDSL
FIREWALL/NAT
TOSIBOX LOCK CLIENT MODE

REMOTE USER
COMPUTER
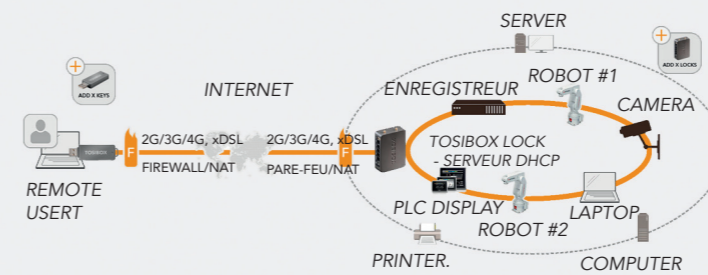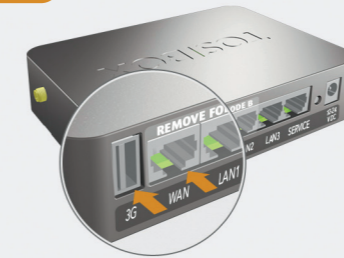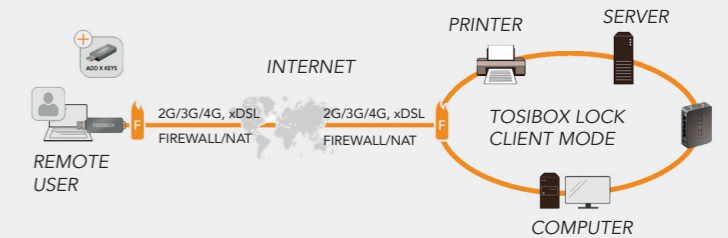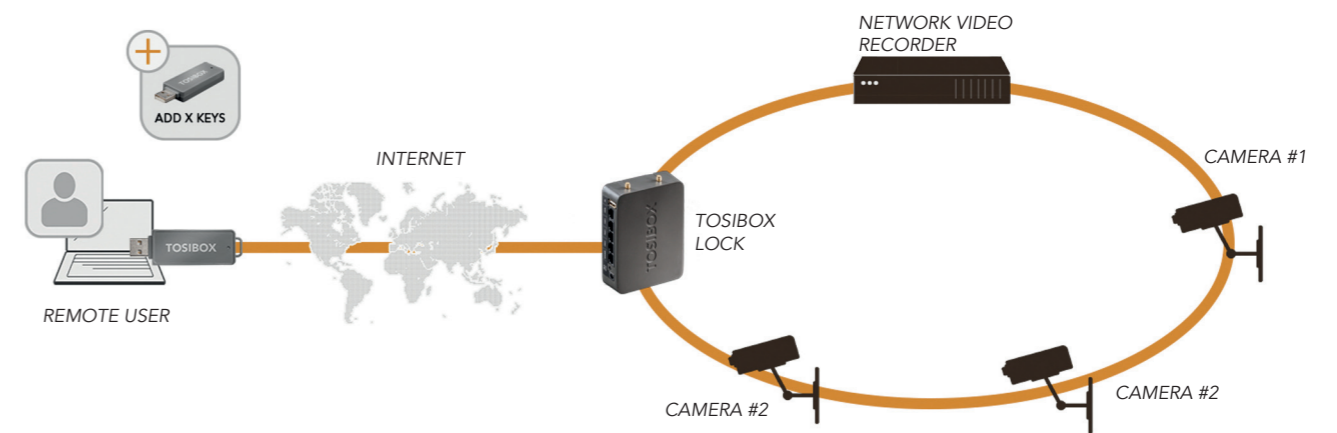
TOSIBOX®- Easiest To Use

TOSIBOX® – first in the world, a physical Key, Lock and the connection method for revolutionizing the creation of connections between devices.

Equipment manufacturers and suppliers, and their customers and service personnel have access to supplied devices easily, quickly and safely. With the help of TOSIBOX, for example connections between robots and control room can be established. Service personnel can manage them from any location. Extending the system with additional devices and users is easy and secure.
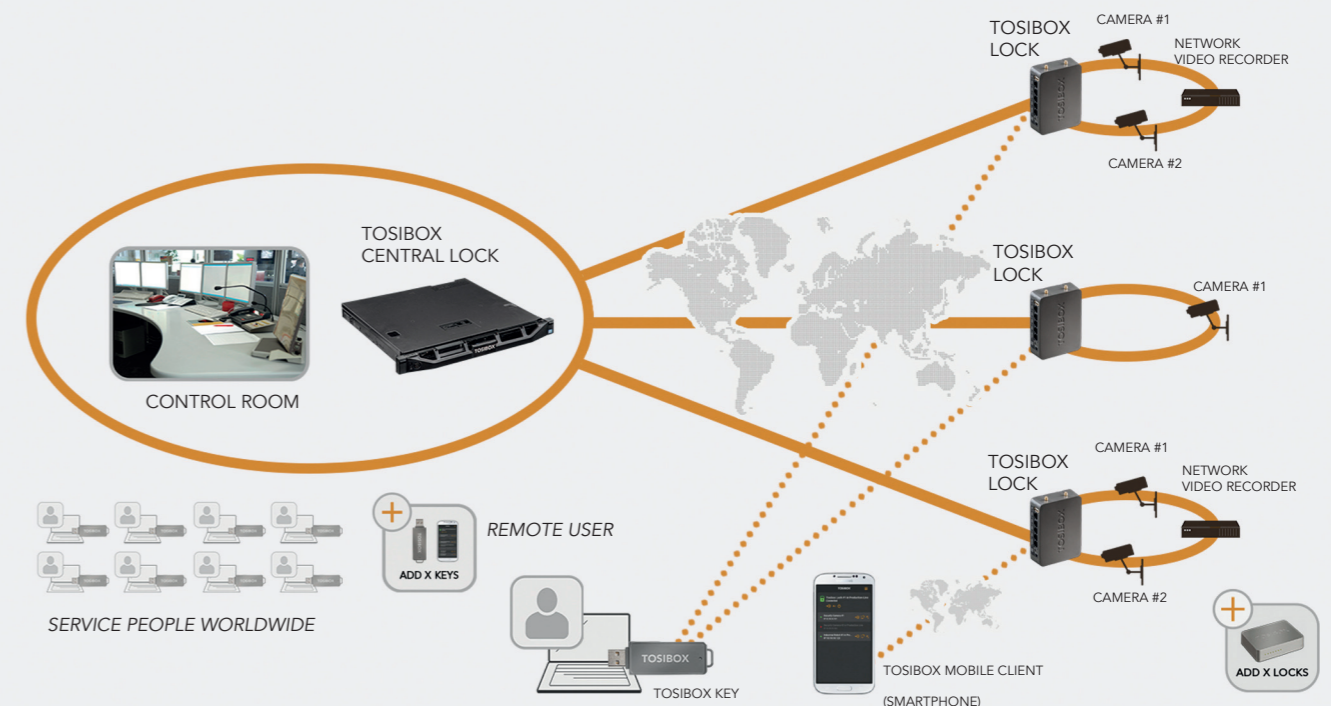
TOSIBOX® benefits

Take Into Use In Only 5 minutes

High Level Data Security

Flexible And Expandable Solution

Works Reliably In All Kinds of Internet Connections

Security Use Case 1 - Security Camera Management

ADD X KEYS

NETWORK VIDEO RECORDER

INTERNET

CAMERA #1

TOSIBOX LOCK

REMOTE USER

CAMERA #2

CAMERA #2

Get Started Quickly

1 TOSIBOX® Key and Lock Serialization

TOSIBOX® Lock

AC Adapter

TOSIBOX® Key

2 TakingTOSIBOX® Lock into use

Ethernet cables

3 Taking TOSIBOX® Key into use - Connection Established

Security Use Case 2 - Control Room

TOSIBOX LOCK
CAMERA #1
NETWORK VIDEO RECORDER
CAMERA #2

TOSIBOX CENTRAL LOCK

CONTROL ROOM

TOSIBOX LOCK
CAMERA #1

TOSIBOX® Use Cases (Examples)

ADD X KEYS

One Lock + Many keys

ADD X LOCKS

One Key + Many Locks

ADD X LOCKS

Sub Locks

ADD X LOCKS

Key With Restricted Access Rights

TOSIBOX LOCK
CAMERA #1
NETWORK VIDEO RECORDER
CAMERA #2

SERVICE PEOPLE WORLDWIDE

ADD X KEYS
REMOTE USER

TOSIBOX KEY

TOSIBOX MOBILE CLIENT
(SMARTPHONE)

ADD X LOCKS