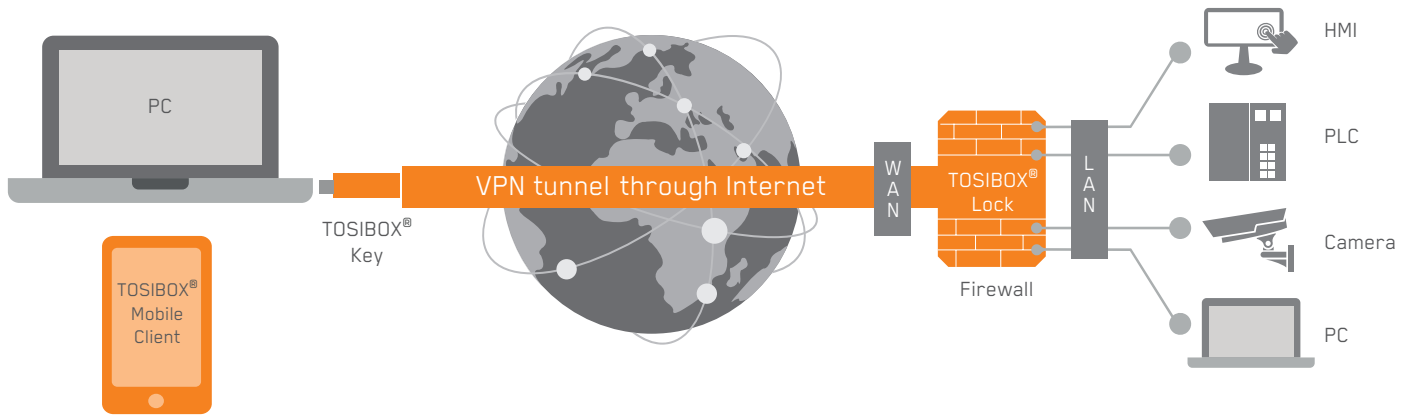


Remote Access

We believe that success in the era of the internet of things is simply a matter of connections. That's why our mission and passion is to create the world's best and most secure remote connections between devices. This is why we created TOSIBOX® – the world's first user-friendly remote access solution. A device that lets you secure your business. TOSIBOX® is a masterpiece of Finnish engineering, a patented innovation, a solution that lets you forget about data security and connections. With it you will save time and money, and be able to concentrate on what's important – your business. TOSIBOX® – the new standard of secure remote connections



EASY

TOSIBOX® patented Plug & Go™ technology is the world's first, patented hardware based remote access solution. TOSIBOX® creates a fully secure remote connection between devices. The infrastructure is set up within a few minutes, and does not require special IT skills. Also, management of devices and user groups is remarkably easy. Moreover, the connection is always formed in the same standardised manner. The construction of remote access infrastructure has never been so easy.

SCALABLE

TOSIBOX® is infinitely scalable. TOSIBOX® technology enables real-time data collection, and provides a cost-effective and easily expandable solution in which the infrastructure expands at the same pace as your business.

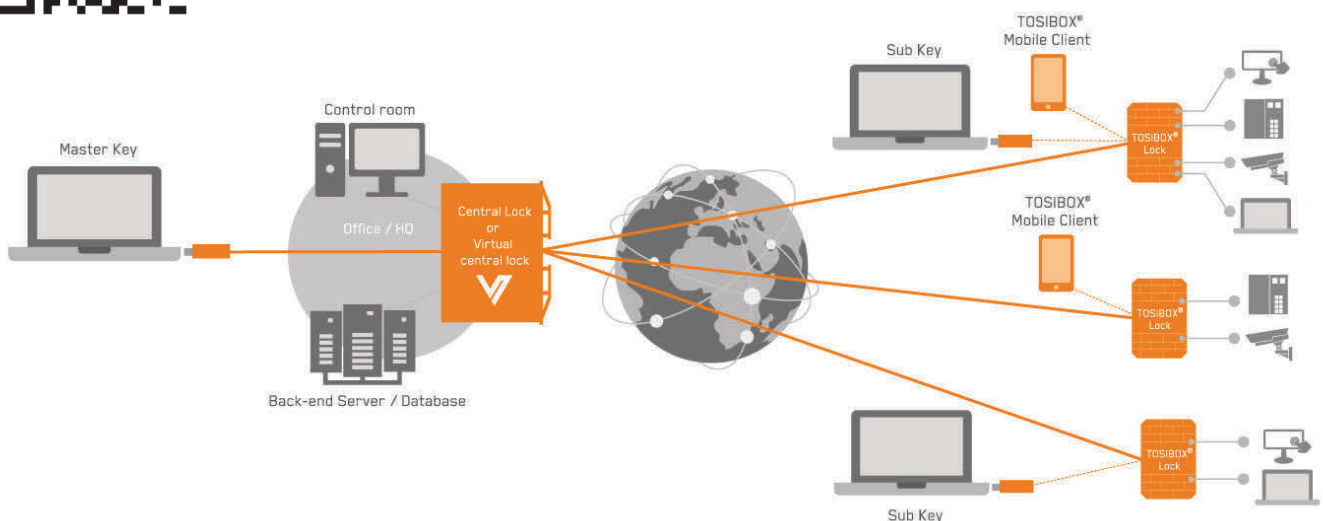
RELIABLE

TOSIBOX® works anywhere in the world with all types of devices regardless of the operators and type of internet connection. You can manage your devices anywhere and be sure that your connection is always reliable.

SECURE

TOSIBOX® is globally audited, patented and performs at the highest security levels in the industry. It's not a cloud service, but a direct VPN tunnel between the physical devices. Only trusted devices can access the network. The data between devices is not discharged at any time, but always runs along its own private highway. The data cannot be accessed with passwords alone, but a physical key is always required.

All of the users and keys are managed from a single console. So you can be sure that your network and data will remain encrypted and secure.



Remote Access



Product Code	TBL1	TBL2	TBL5	TBVCL1
Functions	Lock 100	Lock 200	Lock 500	Virtual Central Lock*
TOSIBOX® Plug & Go™ Technology	Yes	Yes	Yes	Yes
Mounting Options	DIN rail mounting at bottom	DIN rail mounting on three sides	DIN rail mounting at back	No
Power Input	12 – 24V DC, ±25%	8 – 27 V DC ±10%, with cable anchor	12-48V DC ±20%	No
3G / 4G USB Modem Support	Yes	Yes	Yes	No
WAN port	10/100 Mbit/s	10/100 Mbit/s	10/100 Mbit/s	One required, dependent on virtual platform
LAN ports	3 x 10/100 Mbit/s, bridged	3 x 10/100 Mbit/s, bridged	3 x 10/100 Mbit/s, bridged	One or more, dependent on virtual platform
VPN Throughput	Up to 6 Mbit/s	Up to 15 Mbit/s	Up to 50 Mbit/s	Dependent on virtual platform
VPN Encryption	Blowfish 128 bit CBC, AES 128/192/256 bit CBC	Blowfish 128 bit CBC, AES 128/192/256 bit CBC	Blowfish 128 bit CBC, AES 128/192/256 bit CBC	Blowfish 128 bit CBC, AES 128/192/256 bit CBC
VPN Connection Authentication	PKI, 3072 bit RSA	PKI, 3072 bit RSA	PKI, 3072 bit RSA	AES 128/192/256 bit CBC PKI, 3072 bit RSA
Concurrent VPN Connections	Max 10	Max 50	Max 50	Dependent on virtual platform and license
Supported platforms	No	No	No	VMWare ESXi, Microsoft Hyper-V or Linux KVM
TosiOnline™ – Automatic Connection Recovery Functionality	Yes	Yes	Yes	No
PoE Functionality	No	PoE in and PoE out: 27 V / 580 mA max	PoE in and PoE out: 27 V / 580 mA max	No
CE Approval	Yes	Yes	Yes	No
FCC Approval	Yes	Yes	Yes	No
UL Approval	No	Yes	Yes	No
WLAN	802.11b/g/n	No	802.11b/g/n	No
Advantages	<ul style="list-style-type: none"> • Build a secure network in under 5 minutes • Tested & audited security • Flexible and expandable solution • Works reliably with all internet connections 			

Remote Access - Key and Mobile Client

TOSIBOX® Mobile Client gives you secure and easy remote access on the go by enabling secure VPN connections to matched TOSIBOX® Lock devices, using the mobile device's Wi-Fi or mobile data connection. TOSIBOX® Mobile Client is built on the physical security foundation of TOSIBOX® products: the access rights are granted and controlled from the physical TOSIBOX® Key, after which the Mobile Client remains bound to it. The access rights are device-specific and non-transferrable.



TOSIBOX® Mobile Client App is available for Android and iOS devices.

TOSIBOX® Key is an intelligent crypto processing device that enables a secure connection between your computer and one or more TOSIBOX® Locks, giving you full visibility and control over the network devices connected to the Lock. The Key is fully compatible with all existing TOSIBOX® products.

2048 bit RSA key in the cryptographic module, 4 GB or larger flash memory storage for TOSIBOX® Key software and settings, USB 2.0 interface, type A, Standard CSP/PKCS#11, One Mobile Client included (Android, iOS) Windows 10, Windows 8/8.1 (32/64 bit), Windows 7 (32/64 bit), Windows Vista (32/64 bit), Windows XP (SP3), Windows Server 2003, Windows Server 2008, Mac OS X Lion 10.7 or more recent (Intel 64-bit).



TOSIBOX® Key

Product Code	TBK2
Functions	Key 200
TOSIBOX® Plug & Go™ Technology	Yes
Cryptographic Key Size And Type	2048 bit RSA, hardware-based
Mobile Client For Android and iOS	Yes (1 license incl.)

TOSIBOX® SoftKey is a computer software that enables a secure connection between your computer and one or more TOSIBOX® Locks, giving you full visibility and control over the network devices connected to the Lock. The SoftKey works without a physical TOSIBOX® Key device. The SoftKey corresponds to a Sub Key that is controlled via a physical Master Key, and therefore it cannot be used to create more keys or Mobile Clients. TOSIBOX® SoftKey complies with the high security standards set for all TOSIBOX® products. The SoftKey is created according to the same safe procedures as for hardware Keys. The SoftKey is also computer- and user-specific i.e. it cannot be copied over or moved to another device. A Master Key user can always revoke access rights from a SoftKey – just like with all other Sub Keys and Mobile Clients.



TOSIBOX® Key

Product Code	TBMC1, TBMC5, TBMC10	TBSKL1, TBSKL5, TBSKL10
Functions	TOSIBOX® Mobile Client	TOSIBOX® SoftKey
TOSIBOX® Plug & Go™ Technology	Yes	Yes
Key role	Sub Key	Sub Key
Cryptographic Key Size And Type	2048 bit RSA	4096 bit RSA
Data Encryption	TLS, Blowfish-128-CBC, AES-128-CBC, AES-256-CBC	TLS, Blowfish-128-CBC, AES-128-CBC, AES-256-CBC
VPN Connection type	Layer 3 (OpenVPN on Android, IPsec/IKEv2 on iOS)	Layer 2 / Layer 3 (OpenVPN)
Mobile Client For Android and iOS	NA	No
Two-factor Authentication	Yes	Yes
Supported Operating Systems	Android version 4.0 or greater, or iOS version 8.0 or greater	Windows: 10, 8/8.1, 7, Vista, XP (SP3), Server 2003, Server 2008 Mac OS X Lion 10.7 or more recent (Intel 64-bit)