TOSIBOX® Key

TOSIBOX® Key is an intelligent cryptoprocessing device that enables a secure connection between your computer and one or more TOSIBOX® Nodes, giving you full visibility and control over the network devices connected to the Node.

Connections are established through a secure, encrypted VPN tunnel over the Internet or other common WANs and LANs, and permissions can be easily granted, revoked and configured in an unlimited number of ways. TOSIBOX® Key comes with a durable light metal alloy casing.

Starting from the ID "EF" TOSIBOX® Key conforms to the FIPS 140-2 level 3 regulations. The ID is the first two letters of the serial number found on the nameplate.

Physical properties
• 83 mm x 22 mm x 10 mm / 3.27" x 0.87" x 0.39" (L x W x H)
• Weight 27 g / 0.06 lbs
• Casing aluminium and plastic
• Operating temperature 0 °C ... +70 °C / +32 °F ... +158 °F
• Storage temperature -20 °C ... +80 °C / -4 °F ... +176 °F

TOSIBOX® Mobile Client

TOSIBOX® Mobile Client gives you secure and easy remote access on the go by enabling secure VPN connections to matched TOSIBOX® Node 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.
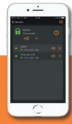
TOSIBOX® SoftKey

TOSIBOX® SoftKey is a computer software that enables a secure connection between your computer and one or more TOSIBOX® Nodes, giving you full visibility and control over the network devices connected to the Node.

The SoftKey works without a physical TOSIBOX® Key device. The SoftKey corresponds a Sub Key that is controlled via a physical Master Key, and therefore it cannot be used to create more keys or Mobile Clients. The access rights are granted and controlled from the physical TOSIBOX® Key, after which the SoftKey remains bound to it. The access rights are device-specific and non-transferrable.

Functions	TOSIBOX® Key	TOSIBOX® Mobile Client	TOSIBOX® SoftKey
TOSIBOX® Plug & Go™ Technology	Yes	Yes	Yes
Key role	Master Key, Backup Key, Sub Key	Sub Key	Sub Key
Cryptographic key size and type	2048 bit RSA, hardware-based	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	TLS, Blowfish-128-CBC, AES-128-CBC, AES-256-CBC
VPN connection type	Layer 2 / Layer 3 (OpenVPN)	Layer 3 (OpenVPN on Android, IPsec/IKEv2 on iOS)	Layer 2 / Layer 3 (OpenVPN)
Mobile Client for Android and iOS	Yes (1 license incl.)	N/A	No
Two-factor authentication	Yes	Yes	Yes
Operating systems	Windows: 10 and 11 Windows Server, 2016 and 2019. Mac OS X 10.14 (Mojave), Mac OS X 10.15 (Catalina), Mac OS X 11 (Big Sur)	Android version 11 and 12 / iOS version 14 and 15	Windows: 10 and 11 Windows Server, 2016 and 2019. Mac OS X 10.14 (Mojave), Mac OS X 10.15 (Catalina), Mac OS X 11 (Big Sur)
Product code	TBK2	TBMC1 TBMC5 TBMC10	TBSKL1 TBSKL5 TBSKL10

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

TOSIBOX