

TOSIBOX Technical Data



TOSIBOX® Key

- USB 2.0 connection
- Supported operating systems:
 - » Windows 8 (32/64 bit), Windows 7 (32/64 bit), Windows Vista (32/64 bit), windows XP (SP3)
 - » Mac OS X Leopard 10.5 or more recent (Intel)
- Dimensions and material
 - » 74,8 mm (L) x 23,2 mm (W) x 10,3 mm (H) Weight 16 g
 - » Casing ABS
- Operating temperature 0 °C ... +70 °C
- Storage temperature -20 °C ... +85 °C
- Standard CSP/PKCS#11



TOSIBOX®
Mobile Client

- Secure remote connection to serialized Locks from mobile devices, using Wi-Fi or mobile data connection
- Permits using one mobile device / TOSIBOX Key (initial serialization requires a TOSIBOX Key)
- Supported devices and operating systems:
 - » Android smartphones and tablets, version 4.0 (Ice Cream Sandwich) or greater
- Downloadable from Google Play store
- Encryption and authentication: PKI, 2048 bit RSA
- Data encryption TLS, Blowfish-128-CBC, AES-256-CBC
- Layer 3 VPN connection (OpenVPN)
- Encrypted end-to-end



TOSIBOX® Lock

- WLAN:
 - » WEP, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK Mixed, WPA-EAP, WPA2-EAP TKIP/AES encryption
 - » Frequency 2.412 – 2.472 GHz, 13 channels
 - » Output power 20 dBm max
 - » IEEE 802.11 n/g/b max. (150 Mbps)
- Ports:
 - » USB 2.0 connection x 1
 - » RJ-45, WAN connection x 1, 10/100 M Auto-Negotiation
 - » RJ-45, LAN connection x 3, Auto-Negotiation (MDI / MDIX support)
 - » RJ-45, Service connection x 1, 10/100M Auto-Negotiation (MDI / MDIX –support)
- Connections:
 - » 12-24V DC ± 20%
 - » Wireless network antenna ports, 2 x SMA
 - » DIN rail attachment (bottom)
- Accessories:
 - » Cables: RJ45 Cat6, USB extension cable
 - » WLAN antennas x 2, 2 dBi
 - » Power source: Input 100 – 240V AC frequency 47 – 63 Hz, Output 12.0V, 0.6A, 7.2W max
- Dimensions / materials:
 - » 132 mm (L) x 99 mm (W) x 35.5 mm (H)
 - » Weight 365 g
 - » Cast aluminium casing
- Operating temperature -25 °C ... +70 °C
- Storage temperature -40 °C ... +70 °C
- Protection class IP20
- WAN connection features:
 - » Independent of operating systems
 - » Works in all internet connections (operator independent) under following conditions:
 - no forced proxy service in the internet connection
 - no passwords needed in accessing the internet
 - » Works with dynamic, static and private IP addresses
 - » Firewall, NAT
 - » 10 concurrent VPN connections (max)
 - » VPN throughput 6 Mbps (BF-CBC 128 bit)
- Mobile connection features:
 - » Supported 2G/3G/4G
 - modems (Huawei): E392, E372, E3131, E353, E367, E160, E169, E173, E176, E180, E1552



TOSIBOX® Central Lock

- Properties:
 - » One 1 Gbit/s WAN port
 - » Four 1 Gbit/s LAN ports
 - » Over 700 Mbit/s encryption throughput
 - » 1000 concurrent remote connections per LAN network
 - » Encryption and authentication PKI, 2048 bit RSA
 - » Data encryption TLS, AES-256-CBC / Blowfish-28-CBC
- Physical properties:
 - » 1U (rack unit) for 19" rack cabinet (rack rails included)
 - » Length 430 mm / width 483 mm / height 43 mm
- Environmental conditions:
 - » Operational temperature 10°C..30°C
 - » Humidity 20%..80% non-condensing
 - » Power consumption max 250 W
 - » Input voltage 90..264 V AC
 - » Input frequency 47..63 Hz
- Other requirements:
 - » Requires one non-firewalled public IP address for Internet access

Connection

- OpenVPN connection
- Layer 2 level network connection
- Strongly encrypted PKI method used in connection establishment
- TLS/Blowfish 128-bit data encryption
- Connection authentication and key exchange using 1024-bit RSA encryption
- Encrypted end-to-end: data encryption and decryption in the connection endpoints (TOSIBOX devices)