



TOSIBOX® Lock for Container

Connect your IPCs, HMIs, PLCs and controllers

TOSIBOX® Lock for Container is a software-only way of connecting industrial IoT devices running on Linux to your TOSIBOX® network. It serves as an endpoint for secure remote connections.

With TOSIBOX® Lock for Container, services running on the connected device can be securely accessed over the Internet and most LAN and WAN networks through highly encrypted VPN connection.

TOSIBOX® Lock for Container is compatible with all existing TOSIBOX® products. Modularity of the products enables easy and fast extension of networks.

Main features

- Manage any service, access any device
- Simple installation and fast activation
- No need for supervision, runs silently in the background
- Can run behind NAT and in firewalled networks
- VPN throughput limited only by network connection
- End-to-end encryption between TOSIBOX® devices
- Audited and patented security

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

TOSIBOX® Lock for Container Technical Data

Product code:
TBLFC1

Recommended software requirements

- Any 64-bit Linux OS supported by Docker software (such as CentOS, Fedora, Ubuntu or Debian) and Docker Engine - Community v19 or later installed and running
- Any 64-bit WindowsOS with WSL2 enabled (Windows Subsystem for Linux v2) and Docker Desktop for Windows v2.1 or later installed and running
- Installation requires sudo or root level user rights

Recommended system requirements

- 50 MB RAM
- 50 MB hard disk space
- ARM 32-bit or 64-bit, Intel or AMD 64-bit dual core processor
- Internet connectivity

Security

- Patented TOSIBOX® connection method
- PKI with 4096-bit RSA key
- Compatible with all TOSIBOX® devices and products
- Uses Remote Matching for including to your TOSIBOX® secured network
- Uses device firewall for security
- TOSIBOX® software separated from system software

WAN connection features

- Serves as an endpoint for TOSIBOX® secure VPN tunnel
- VPN connections to/from Virtual Central Lock
- VPN connection from TOSIBOX® Key
- Works in all Internet connections (operator independent)
- Supports HTTP proxy servers with and without authentication
- Works with dynamic, static and private IP addresses
- Up to 2 concurrent VPN connections
- VPN throughput limited only by network connection
- Layer 3 connections
- LAN access if supported by the device

User Interface

Packed with TOSIBOX® web UI for remote configuration

Required open firewall ports

- Outbound TCP: 80, 443, 8000, 57051
- Outbound UDP: random, 1-65535
- Inbound: none

Feature	TOSIBOX® Lock (hardware)	TOSIBOX® Lock for Container
Operating environment	Hardware device	Software running on Docker
Internet connectivity	4G, WLAN, ethernet	-
Layer 3	✓	✓
Layer 2 (Sub Lock)	✓	-
1:1 NAT	✓	-
LAN access	LAN access and device scanner for LAN network	LAN access, device scanner for Docker network
Matching	Physical and remote	Remote
Firewall	Embedded firewall	Uses device's firewall
Open firewall ports from internet	-	-
End-to-end VPN	✓	✓
SW auto-update	✓	✓
User access management	From TOSIBOX® Key Client or TOSIBOX® Virtual Central Lock software	Via TOSIBOX® Key Client or TOSIBOX® Virtual Central Lock software

Tosibox reserves the right to change and improve the product mentioned herein without prior notice.

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