

**TOSIBOX**LOCK FOR  
CONTAINER

### Connect the Dots with Tosibox



Do it Easily.  
Build and manage secure OT  
infrastructure in minutes



Do it Automatically.  
Connect anything anywhere all  
automated



Do it Cybersecurely.  
You own the data and it's always  
encrypted.

# TOSIBOX® Lock for Container

Securely connect your controllers, IPCs, HMIs and PLCs

Transform your industrial devices into secure networking devices with TOSIBOX® Lock for Container. Software-based approach to seamlessly integrate your existing OT fleet to Tosibox ecosystem, providing enterprise-grade security without additional hardware.

The solution offers zero-touch deployment in containerized environments while maintaining full compatibility with the entire Tosibox product suite. Its scalable deployment supports rapid network expansion to meet evolving business needs.

TOSIBOX® Lock for Container delivers the perfect balance of security and simplicity, enabling your team to remotely access and manage industrial OT devices while maintaining stringent security standards. Whether you're managing a single facility or orchestrating a global network, our containerized solution scales effortlessly to meet your needs.

#### Main features

- High VPN throughput, end-to-end encryption between Tosibox devices, users and servers
- Manage any service, access any device
- Simple and scalable 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
- Audited and patented security
- Integrated with TosiControl network monitoring system

# TOSIBOX® Lock for Container Technical Data

Product code TBLFC2

### Recommended software requirements

- Any 64-bit Linux OS supported by Docker and Docker Engine - Community v20 or later
- Docker Compose
- Linux kernel version 4.9 or later
- Full functionality requires certain kernel modules related to IP tables
- Any 64-bit Windows OS with WSL2 enabled (Windows Subsystem for Linux v2)
- 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

### Required open firewall ports

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

### WAN connection features

- Serves as an endpoint for Tosibox secure VPN tunnel
- Two-way VPN connections to/from the HUB
- One-way 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
- NAT for routes
- Layer 3 connections
- LAN access if supported by the device

### User Interface

- Packed with Tosibox web UI

### Security

- Patented Tosibox connection method
- PKI with 3072-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

Feature	Tosibox Node	Tosibox Lock for Container
Operating environment	Hardware device	Software running on Docker platform
Deployment	Plug & Go™ connectivity device	Available in Docker Hub and in well-equipped marketplaces
SW auto-update	✓	Update via Docker Hub
Internet connectivity	5G, 4G, WiFi, Ethernet	Provided by the host device
Layer 3	✓	✓
Layer 2 (Sub Lock)	✓	-
NAT	1:1 NAT	NAT for routes
LAN access	✓	✓
LAN device scanner	Yes, for LAN network	Yes, for Docker network
Matching	Physical and remote	Remote
Firewall	Provided and managed by the Node	Must be provided by the host device
Open firewall ports from internet	-	-
End-to-end VPN	✓	✓
User access management	From Tosibox Key or Tosibox HUB	From Tosibox Key or Tosibox HUB
TosiControl monitoring	✓	✓