TOSIBOX

CONNECT THE DOTS

TOSIBOX® PRODUCTS

Your secure and scalable solution from remote access to global OT networking

Visit tosibox.com for more information

CONTENTS

TOSIBOX SOLUTION GROWS FROM SECURE REMOTE ACCESS TO GLOBAL OT NETWORKING

Tosibox has automated secure connectivity and made it simple. It is a standardized way of building VPN connections based on a patented connection method. The configuration-free Plug & Go™ implementation is easy and ready to use within minutes. The unique feature of TOSIBOX® technology is the two-way connectivity that brings the benefits of IP networking plus remote maintenance with one technology.

The game-changing solution consists of globally patented point-to-point data flow between ends allowing for a secure connection and associated marriage between two modules. The communication is end-to-end encrypted and not decrypted at any point along the way. A third-party cloud service is not included, but you can choose your own cloud or server, wherever you want.

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® solution consists of modular components that offer unlimited expandability and flexibility. All components are compatible with each other as well as internet connection, operator, and device agnostic. The solution works both in internal and external networks, and you can connect both modern IoT devices and legacy systems.
- TOSIBOX® Node is an industry router or a software sharing access to devices.
- TOSIBOX® Key is a client used to access the network.
- TOSIBOX® HUB is the platform for OT network and access rights management.
- TOSIBOX® Platform is a hosted management layer that turns operational applications, machines and their users into a controlled OT network.

TOSIBOX PLATFORM

Tosibox Platform solves today's most common problems in building your OT infrastructure: Cost, Complexity and Cyber Security. Tosibox Platform is an automated and open cybersecurity platform for your operational technology networks and infrastructure. It scales from one user and one device to an enterprise-level OT network solution with hundreds or even thousands of users, devices, and sites connected. It fits all industries and organizations, regardless of the size or vertical, and is designed to meet your needs today and well into the future.

This dedicated platform enables you to you to manage and grant access rights to your operational systems from a single point, effortlessly without the need for software installations or complicated network configurations.

Tosibox Platform offers two subscription models, "Full Subscription" and "Hybrid". You can subscribe to only what you need. To learn more, please contact our sales or check out the Tosibox Platform data sheet from www.tosibox.com.
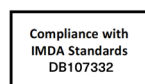
CERTIFIED CYBER SECURITY

Tosibox is ISO27001 certified, underlining the importance we place on protecting customers´ data. Platform security is based on automated firewall settings and point-to-point VPN technology with 256 Bit AES data encryption. Tosibox Platform supports Layer 2 and layer 3 routing functions and protocols.

TOSIBOX® 175

CE FC [Australian RCM mark] [WEEE mark]

D23-0014018
018-230087

Compliance with IMDA Standards DB107332

TOSIBOX® 175 is a cost-effective Plug & GoTM connectivity device and is ideal for demanding industry sectors that require an all-in-one solution that is compact, able to handle all environments and suited to global market usage. The 4G module and external 4G antenna provides stable Internet access, so the node can be easily configured anywhere. The versatile connectivity options, utilized in conjunction with leading edge Cyber security technology from TOSIBOX® enable diverse application scenarios.

The durable aluminium alloy shell and small form factor allows for ideal mounting conditions. Creating secure and sustainable infrastructure has never been this easy. is an industrial router with firewall and secure Plug & Go™ connectivity. It serves as an endpoint for secure remote connections. TOSIBOX® 175 is compatible with all existing TOSIBOX® products.

Technical data

Product codes
TBL175

Ports
- 1 x RJ-45 WAN connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
- 1 x RJ-45 LAN connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
- LAN can be assigned as Service connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
- RS485 port is not supported in the software.

Connections
- 9-35V DC
- 2 x WiFi antenna connector, RP-SMA Male
- 1 x LTE antenna connector, SMA Female
- DIN rail attachment (back)
- Maximum power consumption 10W

Connection features
- 3-way WAN priority
- Proxy server support
- WAN access with static addressing or DHCP
- Network Time Protocol (NTP) server
- Automatic LAN network discovery
- LAN access with mixed static addressing and DHCP server
- Management web UI access via http/https
- Modbus server
- Static routes
- Works in all Internet connections (operator independent)

- Works with dynamic, static and private IP addresses
- Built-in firewall, NAT
- Up to 10 concurrent VPN connections
- VPN throughput up to 10 Mbit/s
- TosiOnline automatic network recovery that recovers from most mobile operator and modem problems
- Built-in firewall, NAT

4G Module
- Cellular module: Quectel EG25-G
- Region: GLOBAL
- LTE Cat-4
- Up to 150 Mbps DL, 50 Mbps UL

- Frequency Bands
- LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
- LTE TDD: B38/B39/B40/B41
- WCDMA: B1/B2/B4/B5/B6/B8/B19

WLAN
- IEEE 802.11 b/g, 2.4 GHz, max. 150 Mbps
- Encryptions WEP, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK mixed mode
- Frequency 2.412 – 2.462 GHz, 11 channels
- Access point or client mode
- Output power 20 dBm max

Included accessories
- RJ-45 Cat5e Ethernet cable
- 1 x LTE antenna
- 2 x WiFi antenna
- DIN rail mount
- Power supply unit
- AC adapter - Input 100 – 240 V AC, frequency 50/60Hz 0,3A, Output 12.0 V, 1.0 A, max 12.0 W. EU, UK, AU and US power socket

Physical properties
- 104 mm x 28 mm x 110 mm / 4.09" x 1.10" x 4.33" (L x W x H)
- Storage temperature -30 °C ... +70 °C / -22 °F ... +158 °F
- Protection class IP30
- Weight 305 g / 0.67 lbs (net weight article)
- Operating temperature -20 °C...+55°C / -4°F...131°F
- Power supply operating temperature: 0 °C ... +40 °C/ 32 °F ... +104 °F
- Power supply storage temperature: -20 °C ... +80 °C/ -4 °F ... +176 °F

TOSIBOX® 350

CE FC cULus LISTED

If your business requires a compact, all-in-one connectivity solution that operates seamlessly worldwide - look no further.

Say hello to the TOSIBOX® 350: Tailored for businesses seeking a compact, all-encompassing solution that operates seamlessly across the globe. With its fixed ethernet interface and WiFi you can enjoy stable remote access wherever you are. No technical expertise is needed – just plug and play!

Technical data

Product codes
TBN350, TBL350

Ports
- 1 x RJ-45 WAN connection, 10/100 Mbps, auto-negotiation (MDI / MDI-X)
- 4 x RJ-45 LAN connection, 10/100 Mbps, auto-negotiation (MDI / MDI-X)
- 1 x USB 2.0, type A

Connections
- 2 pin industrial DC power socket
- 6-Pin 3.5mm Digital IO socket (6-Pin serial interface not supported in software)
- 5-35V DC, reverse polarity protection, voltage surge/transient protection
- 1 x RP-SMA for WiFi
- DIN rail mounting in the back
- Maximum power consumption 10W

Connection features
- 2-way WAN priority
- Proxy server support
- WAN access with static addressing or DHCP
- Network Time Protocol (NTP) server
- Automatic LAN network discovery
- LAN access with mixed static addressing and DHCP server
- Management web UI access via http/https
- Modbus server
- Static routes
- Works in all Internet connections (operator independent)
- Works with dynamic, static and private IP addresses
- Built-in firewall, NAT
- Up to 50 concurrent VPN connections
- Aggregate VPN throughput up to 10 Mbps
- Single VPN throughput up to 10 Mbps

WLAN
- IEEE 802.11 b/g/n, 2.4 GHz, max. 54 Mbps
- Encryptions WEP, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK mixed mode
- Frequency 2.412 – 2.462 GHz, 11 channels
- Access point or client mode
- Output power 20 dBm max

I/O specifications
- 2 x Digital input, 0 - 30 V as logic high
- 2 x Digital output, relay, up to 5A and 30 VDC/250VAC output
- Software configurable I/O state

Included accessories
- Power supply unit
  - AC adapter - Input 100 – 240 V AC, frequency 50/60Hz 0,6A, Output 12.0 V, 1.5 A, max 18 W
- 1 x WiFi antenna (RP-SMA male)
- Power plug with contact terminals
  - 2x 6-Pin Digital IO Terminal Block
  - 1x 2-Pin Power Terminal Block
- DIN rail mount
- Ethernet cable (1m)

Physical properties
- 145 mm x 114 mm x 45 mm / 5.71" x 4.49" x 1.77" (W x H x L)
- Protection class IP30
- Weight 625 g / 1.37 lbs (net weight article)
- Storage temperature -35 °C ... +75 °C / -31 °F ... +167 °F
- Operating temperature -35 °C ... +75 °C / -31 °F ... +167 °F
- Power supply operating temperature -10 °C ... +40 °C /14°F ... +104 °F
- Power supply storage temperature -20 °C ... +80 °C /-4°F ... +176 °F

TOSIBOX® 375

Introducing TOSIBOX® 375 - Your workhorse for any industry. If you are in a business that needs a compact, all-in-one solution that can work nearly anywhere in the world, TOSIBOX® 375 is for you! With its fixed ethernet interface, WiFi, or internal LTE module complemented with external antennas, you can enjoy stable remote access wherever you are.

Enjoy the convenience of four LAN ethernet ports for effortlessly connecting additional network devices, enabling smooth operations. Digital I/O extends the VPN management out of device boundaries for versatile OT applications, adapting to your specific needs.

Technical data

Product codes
TBN375, TBL375

Ports
• 1 x RJ-45 WAN connection, 10/100 Mbps, auto-negotiation (MDI / MDI-X)
• 4 x RJ-45 LAN connection, 10/100 Mbps, auto-negotiation (MDI / MDI-X)
• 1 x USB 2.0, type A

Connections
• 2-pin industrial DC power socket
• 6-pin 3.5mm digital IO socket (6-pin serial interface not supported in software)
• 5-35V DC, reverse polarity protection, voltage surge/transient protection
• 1 x RP-SMA for WiFi
• 2 x SMA for LTE
• DIN rail mounting in the back
• Maximum power consumption 10W

Connection features
• 3-way WAN priority
• Proxy server support
• WAN access with static addressing or DHCP
• Network Time Protocol (NTP) server
• Automatic LAN network discovery
• LAN access with mixed static addressing and DHCP server
• Management web UI access via http/https
• Modbus server
• Static routes
• Works in all Internet connections (operator independent)
• Works with dynamic, static and private IP addresses
• Built-in firewall, NAT
• Up to 50 concurrent VPN connections
• Aggregate VPN throughput up to 10 Mbps

4G Module

TBL375
• Cellular module: Quectel EG25-G
• Region: GLOBAL
• LTE Cat-4
• Up to 150 Mbps DL, 50 Mbps UL

Frequency Bands
• LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20,B25, B26, B28
• LTE TDD: B38, B39, B40, B41
• WCDMA: B1, B2, B4, B5, B6, B8, B19

WLAN
• IEEE 802.11 b/g/n, 2.4 GHz, max. 54 Mbps
• Encryptions WEP, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK mixed mode
• Frequency 2.412 – 2.462 GHz, 11 channels
• Access point or client mode
• Output power 20 dBm max

I/O specifications
• 2 x digital input, 0~30V, 0~2V low level, about 2V high level
• 2 x digital output, relay, up to 5A and 30 VDC/250VAC output
• Software configurable I/O state

Included accessories
• Power supply unit
   - Input 100 – 240 VAC 50/60Hz
   - Output 12 V, 1.5 A, max 18 W
• 2 x LTE antennas (SMA male) magnetic mount (1m)
• 1 x WiFi antenna (RP-SMA male)
• 2 x 6-pin digital I/O terminal block
• 1 x 2-pin power terminal block
• DIN rail mount
• Ethernet cable (cat5e, 1m)

Physical properties
• 145 mm x 114 mm x 45 mm / 5.71" x 4.49" x 1.77" (W x H x L)
• Protection class IP30
• Weight 630 g / 1.39 lbs (net weight article)
• Storage temperature -35 ℃ ... +75 ℃ / -31 °F ... +167 °F
• Operating temperature -35 ℃ ... +75℃ / -31 °F ... +167 °F
• Power supply operating temperature 0 ℃ ... +40 ℃ / 32°F ... +104 °F
• Power supply storage temperature -20 ℃ ... +80 ℃ / -4°F ... +176 °F
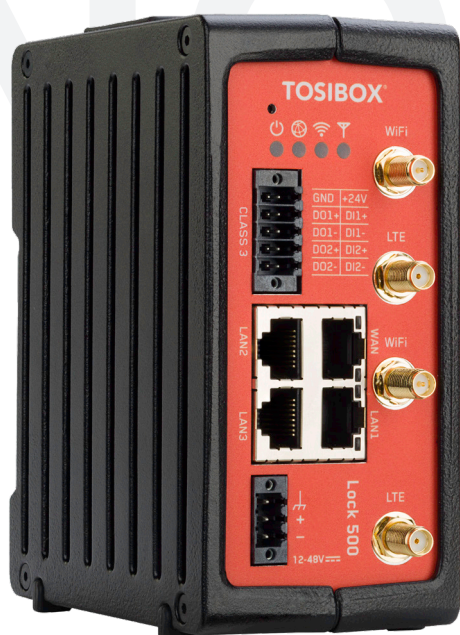
TOSIBOX® Lock 500

PTCRB   AT&T   VERIZON   T-MOBILE

Compliance with IMDA Standards DB107332

TOSIBOX® Lock 500 is a high-end connectivity device bringing unprecedented possibilities for customers to manage their operations and to build new IoT solutions. The Lock 500 is ideal for demanding industrial environments and opens up new opportunities in security and office networking sectors. The Lock 500 is compatible with all existing TOSIBOX® products.

Technical data

Product codes
TBL5, TBL5iA, TBL5iAPS, TBL5iB, TBL5iBPS, TBL5iC, TBL5iCPS, TBL5iD, TBL5iDPS

Ports
• 1 x USB 2.0, type A
• 1 x RJ-45 WAN connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
• 3 x RJ-45 LAN connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
• LAN3 can be assigned as Service connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)
• Ethernet port isolation: 1500 Vrms 1 minute (when device frame connected to system ground potential)

Connections
• 12-48V DC (+/-20%), reverse polarity protected
• Device frame connector
• 2 x WiFi antenna connector, RP-SMA Female
• (TBL5i*) 2 x LTE antenna connectors, SMA Female
• 2 x Digital Input, 2 x Digital Output, 24V DC out
• DIN rail attachment (back)
• Maximum power consumption 10W

WAN connection features
• Independent of operating systems
• Works in all Internet connections (operator independent)
• Supports HTTP proxy servers with and without authentication
• Management web UI access via http/https
• Modbus server
• Works with dynamic, static and private IP addresses
• Built-in firewall, NAT
• Up to 50 concurrent VPN connections
• Aggregate VPN throughput up to 70 Mbps.
  - Single VPN throughput up to 50 Mbps

Connection features
• Supported External USB modem: TOSIBOX® 4G modem (TB4GM2EU, TB4GM2AU).
• TosiOnline™ Automatic network recovery that recovers from most mobile operator and modem problems

TBL5iA*
• Region: EMEA
• LTE Cat-6
• Up to 300 Mbps DL, 50 Mbps UL
• Frequency Bands (4G LTE): B1, B2, B3, B4, B5, B7, B12,
• B13, B20, B25, B26, B29, B41
• Dual SIM

TBL5iB*
• Region: APAC
• LTE Cat-6
• Up to 300 Mbps DL, 50 Mbps UL
• Frequency Bands (4G LTE): B1, B3, B5, B7, B8, B18, B19, B21, B28, B38, B39, B40, B41
• Dual SIM

TBL5iC*
• Region: US/CAN
• LTE Cat-6
• Up to 300 Mbps DL, 50 Mbps UL
• Frequency Bands (4G LTE): B1, B2, B3, B4, B5, B7, B12, B13, B20, B25, B26, B29, B41
• Dual SIM

TBL5iD*
• Region: US/CAN
• CBRS
• LTE Cat12 / carrier aggregation
• Up to 600 Mbps DL, 100 Mbps UL
• Frequency Bands (4G LTE): B1, B2, B3, B4, B7, B8, B9, B12, B13, B14,B18, B19, B20, B5, B42, B43, B26, B29, B41, B30, B66, B32, B46, B48
• Dual SIM

WLAN
• IEEE 802.11 b/g/n, max. 150 Mbps
• WEP, WPA-PSK, WPA2-PSK, WPA-PSK/WPA2-PSK Mixed, WPA-EAP, WPA2-EAP TKIP/AES encryption
• Frequency 2.412 – 2.462 GHz, 11 channels
• Output power 20 dBm max

Included accessories
- RJ-45 Cat5e Ethernet cable
- 2 x WiFi antennas, 2 dBi
- I/O connector plug
- Power connector plug
- TBL5*PS: AC adapter - Input 100 – 240 V AC, frequency 47 – 63 Hz, Output 12.0 V, 1.6 A, max 19.2 W. EU, UK, AU and US power socket
- TBL5*PS: DC feed cable
- TBL5iA*: EMEA Modem
- TBL5iB*: APAC Modem
- TBL5iC*: US/CAN modem
- TBL5i*: 2 x LTE antennas

I/O specifications
- 2 x digital inputs, galvanic isolation, current limited to <5mA, Voltage 0 - 32V nom. >12V is interpreted as '1', 0-5V is '0'
- 2 x digital outputs, 24V DC, 50 mA current shared by the outputs and 24V DC out
- 1 x 24V DC out, 50 mA current shared by 24V DC out, output 1 and output 2
- Software Configurable I/O state

Physical properties
- 110 mm x 58 mm x 127 mm / 4.33" x 2.28" x 5.0" (L x W x H)
- Storage temperature -40 ℃ ... +70 ℃ / -40 °F ... +158 °F
- Protection class IP20

TBL5*
- Weight 495 g / 1.09 lbs (net weight article)
- Operating temperature -20 ℃ ... +60 ℃ / -4 °F ... +140 °F

TBL5i*
- Weight 505 g / 1.11 lbs (net weight article)
- Operating temperature -20 ℃ ... +60 ℃ / -4 °F ... +140 °F

TOSIBOX® 610

CE ☑ ☒ SGS
802068

Reliable and powerful Plug & Go™ connectivity device

TOSIBOX® 610 is a perfect choice for professional applications when wireless networking is not required. Leading edge cybersecurity technology from TOSIBOX enable diverse application scenarios. The durable aluminium alloy shell and small form factor is ideal for rugged mounting conditions.

Tosibox 600 series contains devices for all connectivity scenarios and meets the most demanding operating conditions. Bringing connectivity to those hard to reach locations has never been this easy. TOSIBOX® 610 is compatible with all existing TOSIBOX® products.

Technical data

Product codes
TBL610EU, TBL610UK, TBL610AU, TBL610US

Ports
- 1 x RJ-45 WAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
- 3 x RJ-45 LAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
- 1 x USB 2.0, type A

Connections
- 4 pin industrial DC power socket
- 9-50V DC, reverse polarity protection, voltage surge/ transient protection
- DIN rail mounting slot in the back
- Maximum power consumption 6W

Connection features
- Proxy server support
- WAN access with static addressing or DHCP
- Network Time Protocol (NTP) server
- Automatic LAN network discovery
- LAN access with mixed static addressing and DHCP server
- Management web UI access via http/https
- Modbus server
- Static routes

- Works in all Internet connections (operator independent)
- Works with dynamic, static and private IP addresses
- Built-in firewall, NAT
- Up to 50 concurrent VPN connections
- Aggregate VPN throughput up to 70 Mbps
- Single VPN throughput up to 25 Mbps
- TosiOnline™ Automatic network recovery that recovers from most mobile operator and modem problems

I/O specifications
- 1 x Digital input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high
- 1 x Digital output, open collector output, max output 30 V, 300 mA
- Software configurable I/O state
- Requires separate I/O cable (TB600PAC1 or TB600PAC2)

Included accessories
- Ethernet cable (1.5 m)
- DIN rail mount
- Power supply unit
- AC adapter - Input 100 – 240 V AC, frequency 50/60Hz 0,6A, Output 12.0 V, 1.5 A, max 18 W
- Power plug with contact terminals

Physical properties
- 115 mm x 32.2 mm x 95.2 mm / 4.52" x 1.26" x 3.74" (W x H x L)
- Protection class IP30
- Weight 345 g / 0.76 lbs (net weight article)
- Storage temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
- Operating temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
- Power supply operating temperature -10 ℃ ... +40 ℃ /14°F ... +104 °F
- Power storage temperature -20 ℃ ... +70 ℃ /-4°F ... +158 °F

NODE

TOSIBOX® 675

High performance Plug & GoTM connectivity device

TOSIBOX® 675 is a powerful device for high demanding application in demanding industrial environments. With a wide range of connectivity interfaces the demand for always on connectivity is guaranteed. This device can be used in power-hungry industrial applications where speed and robustness are at the heart of the solution.

The versatile connectivity options, utilized in conjunction with leading edge Cyber security technology from TOSIBOX enable diverse application scenarios. The durable aluminium alloy shell and small form factor is ideal for rugged mounting conditions. Extended IP30 Rating and operating temperature provides installation and use in demanding environmental conditions.

Tosibox 600 series contains devices for all connectivity scenarios and meets the most demanding operating conditions. Bringing connectivity to those hard to reach locations has never been this easy. TOSIBOX® 675 is compatible with all existing TOSIBOX® products.

Technical data

Product codes
TBL675US, TBL675EU, TBL675UK, TBL675AU

Ports
- 1 x RJ-45 WAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
- 3 x RJ-45 LAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
- 1 x USB 2.0, type A

Connections
- 4 pin industrial DC power socket
- 9-50V DC, reverse polarity protection, voltage surge/transient protection
- 2 x RP-SMA for WiFi
- 2 x SMA for LTE
- 1 x GNSS
- DIN rail mounting slot in the back and on both sides
- Maximum power consumption 16W

Connection features
- 4-way WAN priority
- Proxy server support
- WAN access with static addressing or DHCP
- Network Time Protocol (NTP) server
- Automatic LAN network discovery

- LAN access with mixed static addressing and DHCP server
- Management web UI access via http/https
- Modbus server
- Static routes
- GNSS coordinates display on UI via GPS, GLONASS, BeiDou, Galileo and QZSS
- Works in all Internet connections (operator independent)
- Works with dynamic, static and private IP addresses
- Built-in firewall, NAT
- Up to 50 concurrent VPN connections
- Aggregate VPN throughput up to 70 Mbps
- Single VPN throughput up to 25 Mbps
- TosiOnline automatic network recovery that recovers from most mobile operator and modem problems

I/O specifications
- 1 x Digital input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high
- 1 x Digital output, open collector output, max output 30 V, 300 mA
- Software configurable I/O state
- Requires separate I/O cable (TB600PAC1 or TB600PAC2)

Included accessories
- Power supply unit
- AC adapter - Input 100 – 240 V AC, frequency 50/60Hz 0,6A, Output 12.0 V, 1.5 A, max 18 W
- 2 x LTE antennas (swivel, SMA male)
- 2 x WiFi antennas (swivel, RP-SMA male)
- 1 x GNSS antenna (adhesive, SMA male, 3 m cable)
- *1 x Bluetooth antenna (*optionally included, not supported in software)
- Power plug with contact terminals
- DIN rail mount
- Ethernet cable (1.5 m)

Physical properties
- 115 mm x 44.2 mm x 95.1 mm / 4.52” x 1.74” x 3.74” (W x H x L)
- Protection class IP30
- Weight 456 g / 1.00 lbs (net weight article)
- Storage temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
- Operating temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
- Power supply operating temperature -10 ℃ ... +40 ℃ /14°F ... +104 °F
- Power storage temperature -20 ℃ ... +70 ℃ /-4°F ... +158 °F

NODE

TOSIBOX® 695

CE

5G enabled Plug & Go™ connectivity device

Unleash the power of 5G cellular connectivity and LTE fallback with the TOSIBOX® 695 - a game-changer for networking professionals! Crafted with precision and engineered for toughness, the TOSIBOX® 695 boasts a robust metal alloy casing complemented by an extensive temperature range and an IP30 Ingress Protection Rating. It's built to thrive in challenging environmental conditions.

With all the connectivity interfaces you need, this device is tailor-made for power-hungry applications in the most demanding industrial settings. Count on it for speed and reliability at the core of your solutions.

Our Tosibox 600 series offers versatile connectivity options seamlessly integrated with state-of-the-art cybersecurity technology from Tosibox. It's the ideal choice for a wide range of applications, ensuring your network stays secure. TOSIBOX® 695 seamlessly integrates with your existing Tosibox network.

Technical data

Product codes
TBN695EU, TBL695EU

Ports
• 1 x RJ-45 WAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
• 4 x RJ-45 LAN connection, 10/100/1000 Mb/s, auto-negotiation (MDI / MDI-X)
• 1 x USB 2.0, type A

Connections
• 4 pin industrial DC power socket
• 9-50V DC, reverse polarity protection, voltage surge/transient protection
• 2 x RP-SMA for WiFi
• 4 x SMA for 5G/LTE
• 1 x GNSS
• DIN rail mounting slot in the back and on both sides
• Maximum power consumption 18W

Connection features
• 4-way WAN priority
• Proxy server support
• WAN access with static addressing or DHCP
• Network Time Protocol (NTP) server
• Automatic LAN network discovery

• LAN access with mixed static addressing and DHCP server
• Management web UI access via http/https
• Modbus server
• Static routes
• GNSS coordinates display on UI via GPS, GLONASS, BeiDou, Galileo and QZSS
• Works in all Internet connections (operator independent)
• Works with dynamic, static and private IP addresses
• Built-in firewall, NAT
• Up to 50 concurrent VPN connections
• Aggregate VPN throughput up to 70 Mbps
• Single VPN throughput up to 25 Mbps
• TosiOnline Automatic network recovery that recovers from most mobile operator and modem problems

I/O specifications
• 1 x Digital input, 0 - 6 V detected as logic low, 8 - 30 V detected as logic high
• 1 x Digital output, open collector output, max output 30 V, 300 mA
• Software configurable I/O state
• Requires separate I/O cable (TB600PAC1 or TB600PAC2)

Included accessories
• Power supply unit
    • AC adapter - Input 100 – 240 V AC, frequency 50/60Hz 0,6A, Output 12.0 V, 1.5 A, max 18 W
• 4 x LTE antennas (swivel, SMA male)
• 2 x WiFi antennas (swivel, RP-SMA male)
• 1 x GNSS antenna (adhesive, SMA male, 3 m cable)
• Power plug with contact terminals
• DIN rail mount
• Ethernet cable (1.5 m)

Physical properties
• 132 mm x 44.2 mm x 95.1 mm / 5.19" x 1.74" x 3.74" (W x H x L)
• Protection class IP30
• Weight 533 g / 1.17 lbs (net weight article)
• Storage temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
• Operating temperature -40 ℃ ... +75 ℃ / -40 °F ... +167 °F
• Power supply operating temperature -10 ℃ ... +40 ℃ /14°F ... +104 °F
• Power storage temperature -20 ℃ ... +70 ℃ /-4°F ... +158 °F

TOSIBOX® Key

TOSIBOX® Key is an intelligent cryptoprocessing device that enables a secure connection between your computer and one or more TOSIBOX® Node, giving you a 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 ℃ ... +70 ℃ / +32 °F ... +158 °F
- Storage temperature -20 ℃ ... +80 ℃ / -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.

Tosibox HUB

Tosibox HUB—your gateway to building scalable, secure, and centrally managed VPN networks with unparalleled flexibility and performance. Cut access management work time from days into minutes!

Key features

- Enhanced cybersecurity through network segmentation
- Centralized user and access management
- Continuous 24/7 data collection and management
- Audit trail and network monitoring
- Data routing according to regulations and requirements

Overview

Tosibox HUB is the cornerstone of constructing professional and secure networks comprising a large number of sites and users. It is the VPN tunnel concentrator maintaining persistent connections to Tosibox Nodes while enforcing fine grained access controls.

HUB is a software-only solution within a virtual server environment that creates a robust and distributed network of interconnected devices. Deployable in office networks and cloud infrastructure, often located in data centers, HUB establishes a secure, centrally managed, and connected Tosibox ecosystem.

Versatile Connectivity

HUB seamlessly scales from a few connections to hundreds or more, with the maximum concurrent connections determined by the license and the performance of the hosting hardware or platform.

HUB is particularly well-suited for scenarios when central server software needs to communicate with distributed locations. HUB effortlessly connects over a thousand Nodes and Keys concurrently, facilitating efficient network segregation and management.
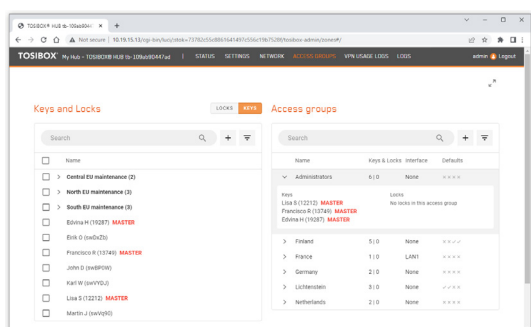
**Available on the Microsoft Azure Marketplace**

Microsoft Azure offers a comprehensive solution running Tosibox HUB in the cloud. Combining the power of Azure's infrastructure with our cutting-edge software elevates your business efficiency, security, and performance in the cloud – the choice for businesses seeking seamless integration on the Azure platform.

Supported Environments

Virtualisation platform based on one of the following:

- VMWare vSphere/ESXi v7.0 GA
- Microsoft Hyper-V on Windows Server 2019
- Linux KVM
- Microsoft Azure Cloud
- Amazon AWS Cloud
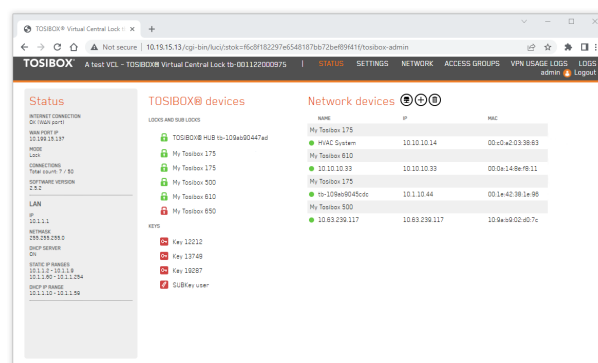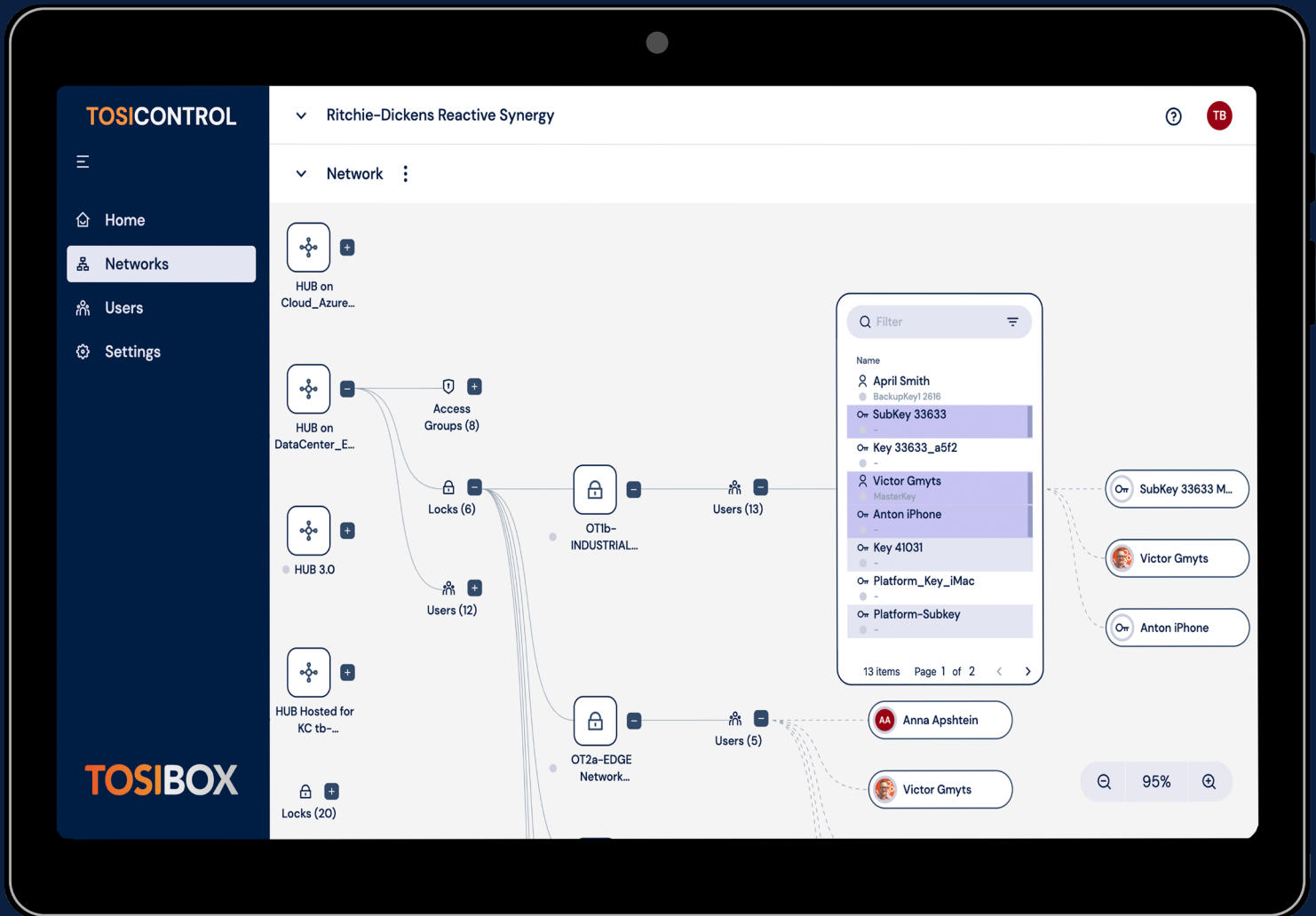
TOSICONTROL - YOUR GATEWAY TO ENHANCED OT NETWORK MANAGEMENT

TOSIBOX

sales@tosibox.com
www.tosibox.com

v 1.7