



TOSIBOX® Lock 500

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 new Lock 500 is compatible with all existing TOSIBOX® products. Modularity of the products enables easy and fast extension of networks.

Main features

High performance

- Massive VPN throughput for data consuming applications, end-to-end encryption from Key to Lock, Lock to Lock or Lock to (Virtual) Central Lock
- Up to 50 concurrent VPN connections

Reliability

- Integrated WiFi as connectivity method or access point for wireless devices on site.
- Built-in LTE modem (optional), with two modem variants covering the globe – no external modem needed
- Dual-SIM slots for operator redundancy allows for even more reliable connectivity
- TosiOnline™ functionality of automatic reconnection of dropped connections

Industrial form factor

- 2/2 x Digital I/O for controlling and monitoring of Lock status
- Industrial design: robust and fanless enclosure, integrated DIN rail bracket and industrial screw-on DC power connector



Advantages of TOSIBOX®



Build a secure network in under 5 minutes



Tested & audited security



Flexible and expandable solution



Works reliably with all internet connections

Lock 500 Technical Data

Product codes:

TBL5, TBL5PS, TBL5iA, TBL5iAPS, TBL5iB, TBL5iBPS

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 connected to protective ground)

Connections

12-48V DC (+/-20%), reverse polarity protected

Protective ground connection

2 x WiFi antenna connector, RP-SMA

(TBL5i*) 2 x LTE antenna connectors, SMA

2 x Digital Input, 2 x Digital Output, 24V DC out

DIN rail attachment (back)

WAN connection features

Independent of operating systems

Works in all Internet connections (operator independent)

Supports HTTP proxy servers with and without authentication

Firewall friendly

Works with dynamic, static and private IP addresses

Built-in firewall, NAT

Up to 50 concurrent VPN connections

Mobile connection features

TBL5iA*

- Region: Americas/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, B30, 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

Supported External USB modem: TOSIBOX® 4G modem (TB4GM2EU, TB4GM2AU).

TosiOnline™ Automatic network recovery that recovers from most mobile operator and modem problems

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/Americas modem

- (TBL5iB*) APAC Modem

- (TBL5i*) 2 x LTE antennas

Physical properties

110 mm x 58 mm x 127 mm / 4.33" x 2.28" x 5.0" (L x W x H)

(TBL5*) Weight 495 g / 1.09 lbs (net weight article)

(TBL5i*) Weight 505 g / 1.11 lbs (net weight article)

(TBL5*) Operating temperature -20 °C ... +70 °C / -4 °F ... +158 °F

(TBL5i*) Operating temperature -20 °C ... +60 °C / -4 °F ... +140 °F

Storage temperature -40 °C ... +70 °C / -40 °F ... +158 °F

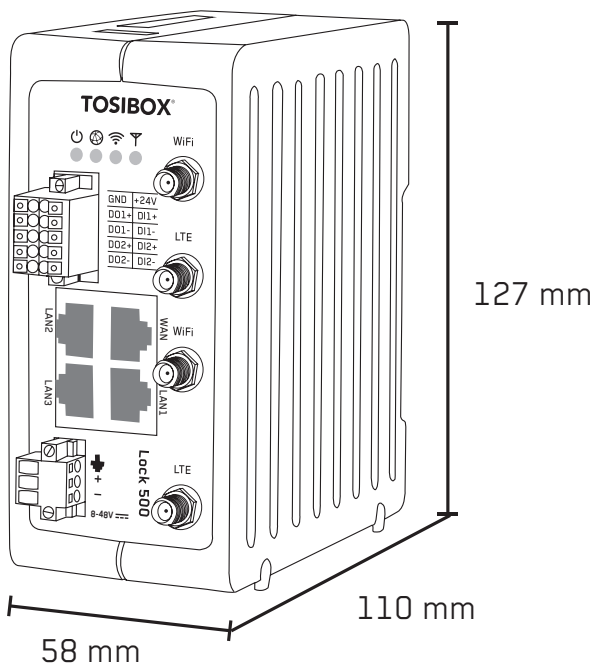
Protection class IP20

I/O specifications

2 x digital inputs, galvanic isolation, current limited to $\leq 5\text{mA}$, Voltage 0 - 32V nom. $\rightarrow 12\text{V}$ 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



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Plug & Go™ Connectivity

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