TOSIBOX

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 150

Your favorite Plug & Go™ connectivity device

TOSIBOX® Lock 150 is an industrial router with firewall and secure Plug & Go™ connectivity. It serves as an endpoint for secure remote connections. IoT devices connected to the Lock can be securely accessed over the Internet and most LAN and WAN networks through an encrypted VPN connection.

TOSIBOX® Lock 150 is compatible with all existing TOSIBOX® products. Modularity of the products enables easy and fast extension of networks.

Main features

*   Patented TOSIBOX® Plug & Go™ connection method takes you out of the box and into use in less than 5 minutes, without the need for software installations, network configurations or special IT skills.
*   NAT and firewall friendly
*   VPN throughput up to 10 Mb/s, end-to-end encryption between TOSIBOX® devices
*   Up to 10 concurrent VPN connections
*   Audited and patented security
*   Reliability with TosiOnline™ - automatic reconnection of dropped connections
*   Compact physical size for space conscious environments

Lock 150 Technical Data

Product codes:
TBL15

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)
- 1 x RJ-45 Service connection, 10/100 Mb/s, auto-negotiation (MDI / MDI-X)

Connections
- 10-30V DC ±10% (reverse polarity protected)
- 2 x Wireless network antenna connector, RP-SMA Female
- DIN rail attachment (bottom), angle bracket available as an accessory (TBMBD1)

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 10 concurrent VPN connections
- VPN throughput 10 Mb/s

Mobile connection features
- Supported 4G USB modem: TOSIBOX® 4G modem EU (TB4GM8EU), TOSIBOX® 4G Modem AU (TB4GM2AU), Alcatel IK41VE (TB4GM), Multitech MTR-LAT1 (TB4GM4), Multitech MTC-LNA4 (TB4GM5), Multitech MTC-LEU4(TB4GM7)
- 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 encryption
- Frequency 2.412 – 2.462 GHz, 11 channels
- Output power 20 dBm max

Included accessories
- RJ-45 Cat6 Ethernet cable, USB extension cable
- 2 x WLAN antennas, 2 dBi
- AC Adapter: Input 100 – 240V AC, frequency 47 – 63 Hz, Output 24.0 V, 0.8 A, max 7.2 W. EU, UK, AU or US Power Socket
- DC input plug
- DIN rail mounting bracket

Physical properties
- 132 mm x 99 mm x 35.5 mm / 5.2" x 3.9" x 1.4" (L x W x H)
- Weight 593 g / 1.31 lbs (net weight article)
- Cast aluminium casing
- Operating temperature -20 ℃ ... +55 ℃ / -4 °F ... 131 °F
- Operating humidity: 20 – 80% RH, non-condensing
- Storage temperature -40 ℃ ... +70 ℃ / -40 °F ... 158 °F
- Protection class IP20

Lock 150 power source
- Model ATS024T-W240V
- Operating temperature: 0 ℃ ... +70 ℃ / 32°F... 158 °F @ 375mA / 9W load
- Operating humidity: 20 - 80% non-condensing
- Storage temperature: -20 ℃ ... +70 ℃ / -4°F... 158 °F
- Storage humidity: 10 - 90% non-condensing

WLAN antenna ports

1. USB Port for matching and USB Modem
2. WAN Port
3. LAN1 Port
4. LAN2 Port
5. LAN3 Port
6. Service port
7. Reset button (not in use)
8. DC Power Input

Led indicators:
9. Power
10. WLAN
11. Service
12. LAN3
13. LAN2
14. LAN1
15. WAN