TOSIBOX® Lock 150

Your new 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

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
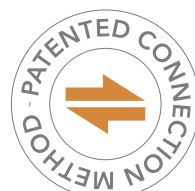
Lock 150 Technical Data

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)
- 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)

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 10 concurrent VPN connections
- VPN throughput 10 Mb/s

Mobile connection features
- Supported 4G USB modem: TOSIBOX® 4G modem, TB4GM (Huawei E3372), TB3GM2M (Huawei MS2131), TB4GM2M (Huawei MS2372)
- 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 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 °C … +55 °C / -4 °F … 131 °F
- Operating humidity: 20 – 80% RH, non-condensing
- Storage temperature -40 °C … +70 °C / -40 °F … 158 °F
- Protection class IP20

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

TOSIBOX®
Simplifying IoT